S.L.P. 70-1

Ohio Labor Market Information Labor Market Review

March 1990

Summary. The seasonally adjusted unemployment rate in Ohio dropped from 5.8 percent in February to 5.5 percent in March. Nationally, the rate was 5.2 percent in March, down slightly from February. Total employment in Ohio, at 5,107,000, was up 46,000 over the month. The number of unemployed workers fell 16,000 to 295,000. Seasonally adjusted nonfarm payroll employment in Ohio totaled 4,905,000 in March, up 13,000 from February. Increases in service-producing industries accounted for the change. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries declined fractionally from February to 1,340,000 in March. Decreases in primary metal industries and industrial machinery and equipment lowered employment in durable-goods manufacturing 2,000 to 749,000. Nondurable-goods employment, at 373,000, was unchanged over the month. Employment in construction rose 1,000 from February to 200,000 in March, while mining employment remained at 18,000.

Service-Producing Industries. An increase of 8,000 in services helped to raise employment in service-producing industries 13,000 from February to 3,564,000 in March. Retail trade added 4,000 jobs, while transportation and public utilities, wholesale trade, and finance, insurance, and real estate each went up 1,000. Employment in government was little changed from February.

Over the Year. Ohio's unemployment rate increased from 5.3 percent in March 1989 to 5.5 percent in March 1990. The national rate of 5.2 percent was up from 5.0 percent a year ago. Total employment in Ohio was down 9,000 from March 1989, while total unemployment was up 8,000. Over the year, nonagricultural wage and salary employment rose 88,000. The largest gains were in services (+30,000) and in retail trade (+29,000). Employment in government, especially local education, also showed significant growth. Increases in construction and nondurable-goods employment were overshadowed by reductions in most durable-goods industries, bringing employment in the goods-producing sector down 2,000 from March 1989.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $529.17 per week in March, up $10.45 from February. Their average workweek rose 0.4 hours to 42.3 hours. Almost all component industries had higher earnings due to increased overtime. The most significant were motor vehicles and equipment, iron and steel foundries, metal forgings and stampings, electric lighting and wiring equipment, and general industrial machinery.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 45,905 in March, down 37.9 percent from February, but up 1.7 percent from March 1989. Total benefits paid fell 2.8 percent to $81.9 million. The average weekly benefit check

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

decreased $2.85 from February to $172.46. The average weekly number of benefit recipients, at 111,046, was down 9.7 percent. At the end of March, there were 206,470 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services aided 37,227 new job applicants in March, up 15.2 percent from February, but down 15.3 percent from March 1989. Job openings received from employers rose 36.3 percent from February to 9,334. The Employment Services Division made 24,373 job referrals and 3,167 placements.

Occupational Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644-2689, or write:

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Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Mar. 1990	Feb. 1990	Mar. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,402	5,372	5,403	30	-1	.6	.0
Employment	5,107	5,061	5,116	46	-9	.9	-.2
Unemployment	295	311	287	-16	8	-5.1	2.8
Unemployment Rate	5.5	5.8	5.3				
Employer Survey Data[e]							
Total	4,905	4,892	4,817	13	88	.3	1.8
Goods–Producing Industries	1,340	1,341	1,342	-1	-2	.0	-.1
Mining	18	18	18	0	0	.3	-1.5
Coal Mining	8	8	8	0	0	.3	-1.4
Oil and Gas Extraction	6	6	6	0	0	1.5	-3.4
Construction	200	199	194	1	6	.5	3.1
General Building Contractors	49	48	48	0	1	.7	1.8
Heavy Construction, Except Building	23	23	24	0	0	-.3	-1.6
Special Trade Contractors	128	127	122	1	6	.6	4.6
Manufacturing	1,122	1,124	1,130	-2	-8	-.2	-.7
Durable Goods	749	751	760	-2	-11	-.3	-1.4
Lumber and Wood Products	23	23	22	0	1	1.0	3.5
Furniture and Fixtures	16	16	16	0	0	.4	.3
Stone, Clay, and Glass Products	46	46	46	0	0	.1	-.8
Primary Metal Industries	100	101	103	-1	-2	-.5	-2.2
Fabricated Metal Products	135	135	138	0	-3	-.2	-2.0
Industrial Machinery and Equipment	167	168	169	-1	-2	-.6	-1.1
Electronic and Other Electric Equipment	78	79	80	0	-2	-.4	-2.0
Transportation Equipment	142	142	144	0	-2	.1	-1.5
Instruments and Related Products	26	27	27	0	0	-1.0	-1.6
Nondurable Goods	373	373	370	0	3	.1	.9
Food and Kindred Products	64	65	63	0	1	-.6	1.3
Apparel and Other Textile Products	15	15	16	0	-1	.1	-3.9
Paper and Allied Products	38	38	37	0	0	-.1	1.2
Printing and Publishing	75	75	74	0	2	.1	2.2
Chemicals and Allied Products	66	66	65	0	1	-.1	1.2
Rubber and Misc. Plastics Products	96	95	97	1	0	1.0	-.3
Service–Producing Industries	3,564	3,551	3,475	13	89	.4	2.6
Transportation and Public Utilities	220	219	215	1	4	.3	2.0
Transportation	129	128	125	1	4	.7	3.2
Communications, Electric, Gas Services	91	91	90	0	0	-.2	.3

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Mar. 1990	Feb. 1990	Mar. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	270	269	262	1	7	.2	2.8
Wholesale Trade-Durable Goods	171	170	167	1	4	.3	2.5
Wholesale Trade-Nondurable Goods	99	99	96	0	3	.1	3.2
Retail Trade	934	931	905	4	29	.4	3.2
Building Materials and Garden Supplies	36	36	35	0	2	.6	4.9
General Merchandise Stores	128	128	127	1	1	.4	1.0
Food Stores	144	143	139	0	5	.3	3.3
Automotive Dealers and Service Stations	102	102	98	0	4	.3	3.8
Apparel and Accessory Stores	51	50	48	0	3	.9	6.5
Furniture and Homefurnishings Stores	33	33	31	0	1	.2	4.1
Eating and Drinking Places	320	319	313	1	6	.3	2.0
Miscellaneous Retail	121	121	114	1	7	.6	6.5
Finance, Insurance, and Real Estate	258	257	252	1	5	.3	2.1
Finance	121	121	119	0	1	.2	1.2
Depository Institutions	91	91	91	0	0	.1	.5
Insurance	93	92	91	0	2	.5	2.5
Real Estate	44	44	42	0	2	.3	3.8
Services	1,167	1,159	1,137	8	30	.7	2.6
Hotels and Other Lodging Places	39	38	39	0	-1	.8	-1.6
Personal Services	55	55	54	0	1	.3	1.1
Business Services	213	211	202	2	11	1.0	5.4
Amusements, Including Motion Pictures	55	53	58	1	-3	2.6	-5.6
Health Services	393	392	382	1	11	.3	3.0
Legal Services	30	30	28	0	1	.3	5.0
Educational Services	61	60	62	1	-1	2.1	-.9
Social Services	74	74	72	0	2	.5	3.2
Membership Organizations	80	80	77	0	2	.2	3.1
Engineering and Management Services	87	87	86	0	1	.1	1.3
Government	716	717	703	0	13	-.1	1.9
Federal Government	96	96	96	0	0	.0	.3
State Government	161	163	157	-1	4	-.8	2.5
State Government Education	84	85	82	-1	2	-1.3	2.5
Local Government	459	458	449	1	9	.2	2.0
Local Government Education	268	268	261	0	7	.2	2.6

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,368	4,969	399	7.4	5.7	March
5,310	4,977	333	6.3	5.5	April
5,278	4,957	321	6.1	5.6	May
5,289	4,981	308	5.8	5.4	June
5,294	5,000	294	5.6	5.5	July
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March

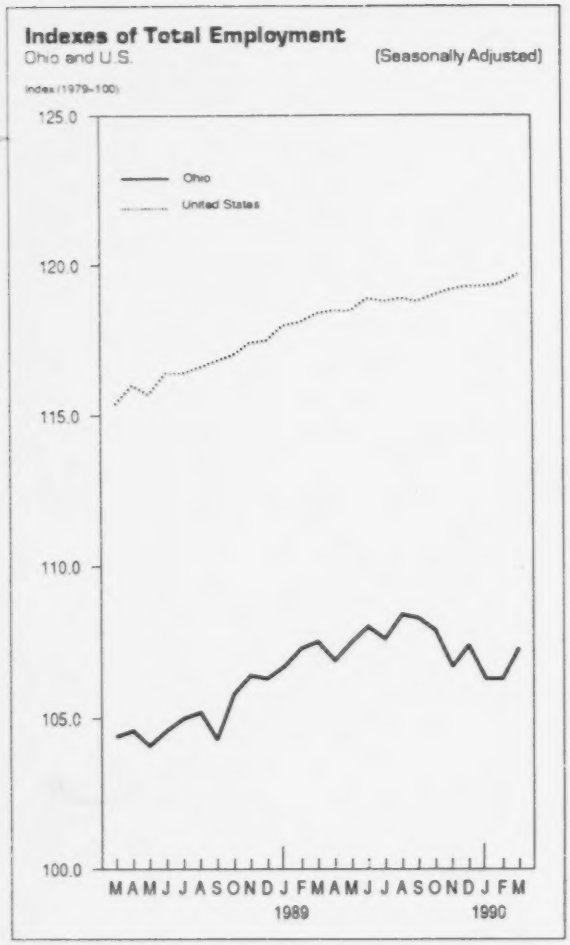
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

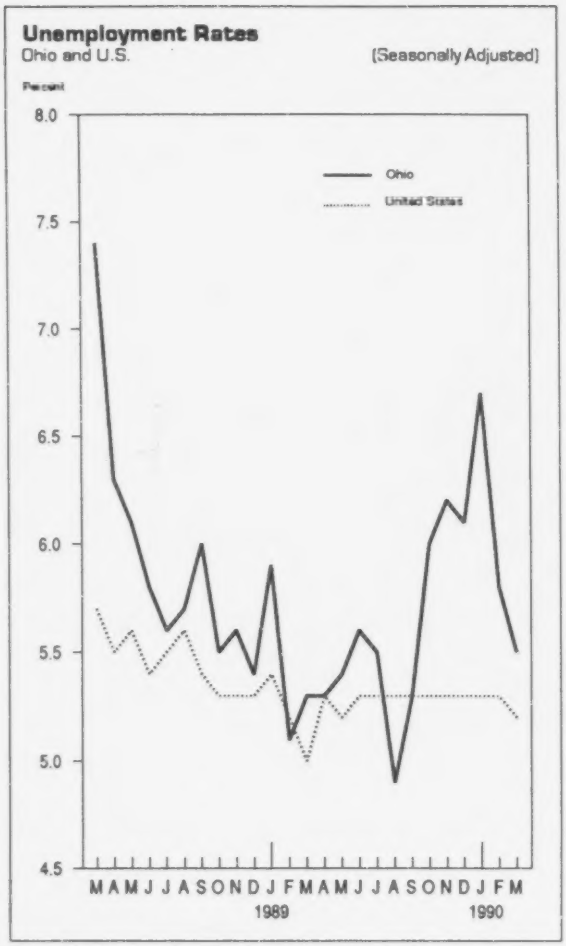
Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1988
4,652	1,300	19	184	1,096	March
4,684	1,314	19	190	1,105	April
4,689	1,312	19	188	1,105	May
4,707	1,316	19	188	1,109	June
4,713	1,319	19	186	1,114	July
4,713	1,317	19	186	1,112	August
4,727	1,320	19	186	1,115	September
4,732	1,322	18	184	1,119	October
4,745	1,325	18	186	1,121	November
4,761	1,329	18	188	1,123	December
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,791	1,336	18	193	1,125	April
4,795	1,332	18	190	1,125	May
4,809	1,335	18	192	1,126	June
4,809	1,325	15	192	1,118	July
4,828	1,335	18	193	1,124	August
4,835	1,334	18	193	1,122	September
4,834	1,324	18	194	1,112	October
4,850	1,332	18	196	1,119	November
4,862	1,334	18	197	1,119	December
					1990
4,848	1,312	18	198	1,097	January
4,892	1,341	18	199	1,124	February
4,905	1,340	18	200	1,122	March

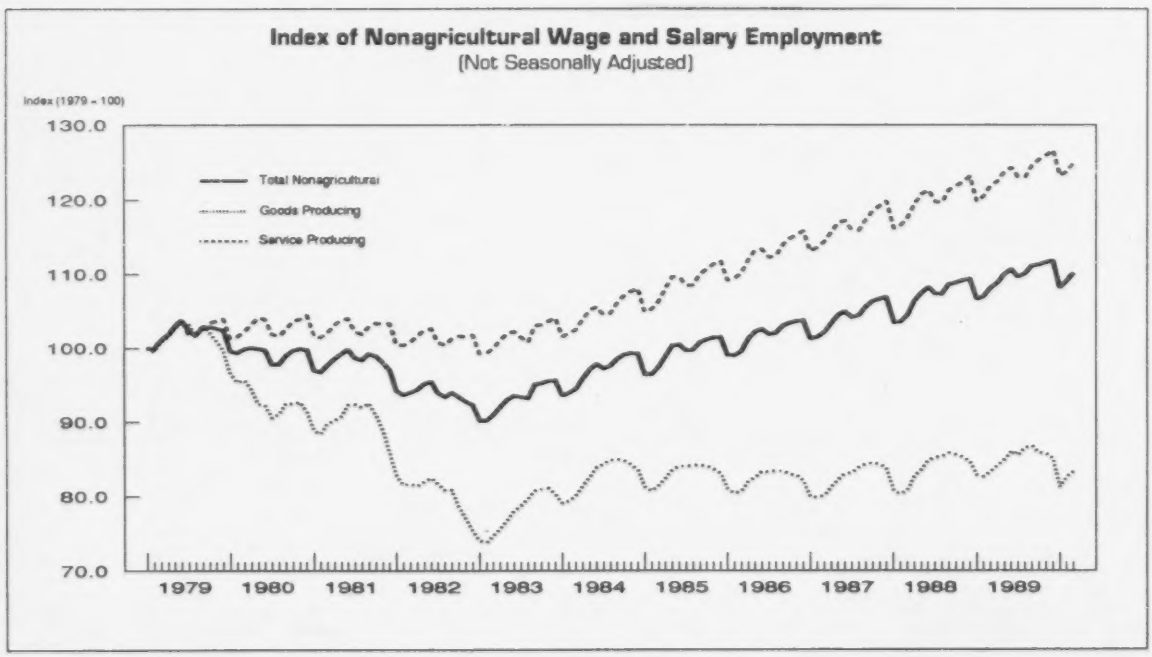
Service-Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,353	210	March	253	871	248	March	1,079	692
3,370	211	April	255	877	249	April	1,086	691
3,377	212	May	256	878	249	May	1,089	693
3,390	213	June	256	881	250	June	1,098	692
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,564	220	March	270	934	258	March	1,167	716

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
M A M J J A S O N D J F M A M J J A S O N D J F M
1989
1990


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
Ohio
United States
M A M J J A S O N D J F M A M J J A S O N D J F M
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,351	5,043	308	5.8	5.2	March
5,333	5,066	268	5.0	5.1	April
5,393	5,117	276	5.1	5.0	May
5,505	5,184	320	5.8	5.5	June
5,483	5,210	273	5.0	5.3	July
5,481	5,223	259	4.7	5.1	August
5,425	5,158	267	4.9	5.1	September
5,477	5,169	308	5.6	5.0	October
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,484.8	1,596.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
					1989
4,746.9	1,309.3	17.7	169.0	1,122.6	March
4,777.0	1,320.5	17.8	181.5	1,121.2	April
4,827.0	1,333.3	17.8	191.3	1,124.2	May
4,858.3	1,351.4	18.1	201.8	1,131.5	June
4,815.3	1,343.2	15.4	209.6	1,118.2	July
4,830.3	1,358.7	18.5	212.3	1,128.0	August
4,877.8	1,361.7	18.5	211.8	1,131.4	September
4,885.7	1,347.1	18.6	212.3	1,116.3	October
4,900.8	1,346.8	18.3	205.5	1,123.0	November
4,909.6	1,335.6	18.1	195.8	1,121.7	December
					1990
4,752.1	1,275.5	17.6	170.6	1,087.3	January
4,790.2	1,297.3	17.3	166.2	1,113.8	February
4,834.1	1,307.2	17.4	174.7	1,115.1	March

Service–Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,437.6	211.1	March	260.4	877.8	249.8	March	1,118.2	720.3
3,456.5	212.8	April	260.3	886.2	249.4	April	1,131.3	716.6
3,493.6	215.1	May	262.4	899.5	251.2	May	1,142.5	723.0
3,506.9	217.4	June	265.2	909.2	254.2	June	1,157.8	703.2
3,472.1	217.5	July	265.8	910.3	255.9	July	1,158.8	663.8
3,471.5	218.5	August	265.7	915.4	256.1	August	1,160.0	655.8
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,526.9	215.1	March	267.6	906.7	255.1	March	1,148.2	734.2

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,122.6	756.8	365.8	March	770.7	404.7	33.1
1,121.2	755.2	366.0	April	769.7	401.3	32.9
1,124.2	756.5	367.7	May	771.7	403.0	33.0
1,131.5	759.8	371.7	June	776.5	409.1	33.3
1,118.2	748.2	370.0	July	767.2	390.9	32.1
1,128.0	754.9	373.1	August	774.0	398.2	32.6
1,131.4	755.5	375.9	September	776.2	408.6	33.1
1,116.3	742.1	374.2	October	765.6	398.9	32.5
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,115.1	746.1	368.9	March	762.0	403.2	32.2

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$7.84	$8.06	$7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
525.10	548.97	471.33	March	42.9	43.5	41.6	March	12.24	12.62	11.33
521.37	541.73	473.82	April	42.7	43.2	41.6	April	12.21	12.54	11.39
522.22	543.02	473.10	May	42.7	43.2	41.5	May	12.23	12.57	11.40
526.81	546.88	481.74	June	42.9	43.3	42.0	June	12.28	12.63	11.47
509.50	526.23	474.44	July	41.9	42.2	41.4	July	12.16	12.47	11.46
514.46	530.02	478.40	August	42.1	42.3	41.6	August	12.22	12.53	11.50
526.49	545.67	484.15	September	42.7	43.0	42.1	September	12.33	12.69	11.50
521.10	539.30	482.69	October	42.4	42.7	41.9	October	12.29	12.63	11.52
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59
529.17	550.40	482.65	March	42.3	42.7	41.5	March	12.51	12.89	11.63

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
45.3	102.8	137.3	March	168.7	79.8	144.0	March	61.5	73.3	96.0
45.4	103.2	136.5	April	167.8	78.9	144.8	April	61.8	73.1	96.0
45.7	103.3	136.8	May	167.8	78.9	144.9	May	62.4	73.5	96.1
46.4	103.1	136.8	June	169.2	79.6	144.7	June	63.5	74.1	97.1
46.1	101.0	134.9	July	168.8	79.2	137.7	July	63.2	74.0	95.4
46.5	102.4	135.0	August	168.0	79.3	142.4	August	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.6	134.6	March	167.0	78.2	141.7	March	62.4	74.8	95.8

Average Weekly Earnings of Production Workers

$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
475.25	621.72	509.22	March	542.68	459.95	723.31	March	448.93	454.31	441.42
478.08	624.34	509.65	April	538.46	457.60	683.55	April	455.20	448.84	444.37
473.45	620.64	514.61	May	537.34	457.19	692.19	May	454.69	446.18	450.71
479.52	632.19	505.91	June	535.67	455.67	713.25	June	468.26	447.70	459.67
477.28	607.26	498.42	July	515.10	445.21	676.67	July	462.42	449.26	445.82
480.22	613.02	490.28	August	515.95	457.73	682.78	August	468.42	448.14	444.56
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
482.38	618.49	516.11	March	535.62	462.26	722.35	March	458.97	470.04	446.78

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	4834.1	4790.2	4746.9	43.9	87.2
Goods-Producing Industries	1307.2	1297.3	1309.3	9.9	-2.1
Mining	17.4	17.3	17.7	.2	-.2
Coal Mining	7.5	7.5	7.6	.0	-.1
Oil and Gas Extraction	5.5	5.6	5.7	-.1	-.2
Construction	174.7	166.2	169.0	8.5	5.7
General Building Contractors	43.9	42.2	43.1	1.7	.8
Nonresidential Building Construction	22.4	21.4	22.7	1.0	-.3
Heavy Construction, Except Building	17.3	15.5	17.5	1.8	-.3
Highway and Street Construction	4.7	3.9	4.7	.8	.0
Special Trade Contractors	113.5	108.5	108.4	5.0	5.1
Manufacturing	1115.1	1113.8	1122.6	1.2	-7.5
Durable Goods[f]	746.1	745.8	756.8	.3	-10.7
Lumber and Wood Products	22.5	21.9	21.7	.5	.8
Millwork, Plywood and Structural Members	10.0	9.6	9.7	.4	.3
Furniture and Fixtures	15.7	15.5	15.7	.2	.1
Stone, Clay, and Glass Products	45.0	44.3	45.3	.7	-.3
Primary Metal Industries	100.6	100.7	102.8	-.1	-2.3
Blast Furnace and Basic Steel Products	46.4	46.8	46.3	-.4	.1
Iron and Steel Foundries	20.4	20.1	20.9	.3	-.5
Nonferrous Rolling and Drawing	16.2	16.0	17.5	.2	-1.3
Nonferrous Foundries	10.5	10.6	10.8	-.1	-.4
Fabricated Metal Products	134.6	134.2	137.3	.3	-2.7
Fabricated Structural Metal Products	29.5	29.7	29.8	-.2	-.3
Metal Forgings and Stampings	38.9	38.6	40.2	.3	-1.4
Industrial Machinery and Equipment	167.0	167.2	168.7	-.2	-1.7
Construction and Related Machinery	14.5	14.5	13.8	.0	.7
Metalworking Machinery	47.2	47.2	47.9	.0	-.7
Special Industry Machinery	17.4	17.4	17.4	.0	.0
General Industrial Machinery	25.7	25.9	26.5	-.2	-.8
Computer and Office Equipment	11.2	11.2	11.9	.0	-.7
Refrigeration and Service Machinery	15.6	15.5	16.3	.1	-.6
Electronic and Other Electric Equipment	78.2	78.5	79.8	-.3	-1.6
Electrical Industrial Apparatus	12.3	12.5	12.8	-.1	-.5
Household Appliances	15.9	15.8	15.2	.0	.6
Electric Lighting and Wiring Equipment	16.5	16.5	16.6	.0	-.2
Electronic Components and Accessories	11.4	11.3	11.5	.1	-.1
Transportation Equipment	141.7	142.1	144.0	-.3	-2.2
Motor Vehicles and Equipment	96.0	96.3	99.0	-.3	-3.0
Aircraft and Parts	36.8	36.8	36.3	.0	.5
Instruments and Related Products	26.1	26.4	26.6	-.3	-.4
Measuring and Controlling Devices	16.0	16.0	16.3	.0	-.3
Nondurable Goods[g]	368.9	368.0	365.8	.9	3.2
Food and Kindred Products	62.4	62.5	61.5	-.1	.8
Dairy Products	10.3	10.2	9.9	.1	.4
Preserved Fruits and Vegetables	10.8	10.8	10.3	.1	.5
Bakery Products	9.5	9.5	9.3	-.1	.2
Apparel and Other Textile Products	15.1	15.0	15.7	.1	-.6
Paper and Allied Products	37.6	37.7	37.2	-.1	.4
Paperboard Containers and Boxes	13.8	13.9	13.3	-.1	.5
Miscellaneous Converted Paper Products	12.2	12.1	12.2	.1	.0
Printing and Publishing	74.8	74.8	73.3	.0	1.5
Newspapers	19.1	19.2	18.7	-.1	.4
Commercial Printing	27.4	27.3	26.9	.1	.5
Chemicals and Allied Products	65.5	65.4	64.7	.1	.8
Plastics Materials and Synthetics	9.7	9.7	9.6	.0	.1
Rubber and Miscellaneous Plastics Products	95.8	94.9	96.0	.9	-.2
Tires and Inner Tubes	15.8	15.8	15.3	.0	.5
Miscellaneous Plastics Products	58.0	57.0	57.8	1.0	.2
Service-Producing Industries	3526.9	3492.9	3437.6	34.0	89.4
Transportation and Public Utilities	215.1	213.7	211.1	1.5	4.0
Transportation	125.2	123.6	121.5	1.6	3.8
Railroad Transportation	11.8	11.8	12.6	.0	-.8
Trucking and Warehousing	75.1	74.3	73.3	.8	1.8
Transportation by Air	14.0	14.0	12.9	.1	1.1
Communications, Electric, Gas Services	89.9	90.0	89.7	-.2	.2
Communications	46.7	46.9	47.4	-.2	-.7
Electric, Gas, and Sanitary Services	43.2	43.2	42.3	.0	.9

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Wholesale Trade	267.6	266.2	260.4	1.4	7.2
Wholesale Trade-Durable Goods	169.7	168.8	165.5	.9	4.2
Motor Vehicles, Parts, and Supplies	22.9	22.7	22.6	.1	.2
Professional and Commercial Equipment	32.8	32.7	31.7	.1	1.0
Metals and Minerals, Except Petroleum	11.2	11.2	11.4	.0	-.2
Electrical Goods	18.7	18.7	18.3	.0	.3
Hardware, Plumbing and Heating Equipment	12.8	12.7	12.4	.1	.4
Machinery, Equipment, and Supplies	42.7	42.4	41.3	.3	1.4
Wholesale Trade-Nondurable Goods	97.9	97.4	94.9	.5	3.0
Groceries and Related Products	32.4	32.1	31.3	.2	1.1
Retail Trade	906.7	897.5	877.8	9.2	28.9
Building Materials and Garden Supplies	34.3	32.9	32.7	1.4	1.6
Lumber and Other Building Materials	17.3	16.7	16.7	.6	.6
General Merchandise Stores	123.5	123.6	122.2	-.1	1.3
Department Stores	100.5	100.9	98.8	-.3	1.7
Variety Stores	13.5	13.4	13.6	.2	.0
Food Stores	140.9	140.5	136.4	.4	4.5
Grocery Stores	124.8	124.6	120.5	.2	4.3
Automotive Dealers and Service Stations	100.4	99.5	96.6	.9	3.8
New and Used Car Dealers	44.6	44.1	43.4	.5	1.2
Gasoline Service Stations	35.1	35.0	32.6	.1	2.5
Apparel and Accessory Stores	49.4	48.9	46.4	.5	3.0
Furniture and Homefurnishings Stores	32.4	32.4	31.1	.0	1.3
Eating and Drinking Places	306.8	301.4	300.8	5.4	6.0
Miscellaneous Retail	118.9	118.3	111.5	.6	7.4
Drug Stores and Proprietary Stores	31.8	31.6	29.7	.2	2.0
Nonstore Retailers	23.2	23.1	21.7	.1	1.5
Finance, Insurance, and Real Estate	255.1	253.8	249.8	1.4	5.3
Finance	120.5	120.1	119.0	.4	1.5
Depository Institutions	90.6	90.4	90.1	.2	.5
Commercial Banks	63.9	63.7	62.7	.3	1.2
Insurance	92.7	92.1	90.4	.5	2.2
Insurance Carriers	70.8	70.4	69.4	.4	1.4
Life Insurance	25.9	25.9	25.8	.1	.1
Fire, Marine, and Casualty Insurance	31.6	31.3	30.2	.3	1.3
Real Estate	42.0	41.6	40.5	.4	1.5
Services	1148.2	1133.2	1118.2	15.1	30.1
Hotels and Other Lodging Places	36.7	36.3	37.3	.4	-.6
Personal Services	55.8	55.3	55.1	.5	.7
Business Services	208.4	205.1	197.7	3.3	10.7
Services to Buildings	32.8	32.4	31.4	.4	1.4
Personnel Supply Services	70.7	68.1	66.5	2.6	4.2
Computer and Data Processing Services	27.0	27.0	24.6	.0	2.4
Amusements, Including Motion Pictures	44.3	40.9	46.9	3.5	-2.6
Health Services	390.5	389.2	379.3	1.3	11.2
Nursing and Personal Care Facilities	84.8	84.6	82.1	.3	2.8
Hospitals	189.6	189.2	185.4	.4	4.3
Legal Services	29.3	29.2	28.0	.2	1.4
Educational Services	66.3	65.5	66.9	.8	-.6
Colleges and Universities	37.9	37.3	38.7	.5	-.9
Social Services	74.2	73.6	71.9	.6	2.3
Residential Care	22.7	22.6	21.7	.1	1.1
Membership Organizations	79.5	78.7	77.1	.8	2.4
Engineering and Management Services	86.3	85.9	85.2	.4	1.1
Engineering and Architectural Services	26.2	26.1	25.4	.1	.8
Accounting, Auditing, and Bookkeeping	22.1	22.1	21.9	.0	.1
Research and Testing Services	18.7	18.7	18.5	.1	.2
Management and Public Relations	19.3	19.0	19.4	.3	-.1
Government	734.2	728.6	720.3	5.6	13.9
Federal Government	95.8	95.7	95.5	.0	.3
U.S. Postal Service	34.0	34.0	34.9	.0	-1.0
State Government	170.0	167.3	165.9	2.8	4.2
State Government Hospitals	16.1	16.0	15.6	.1	.5
State Government Education[h]	93.4	91.5	91.0	1.9	2.4
Local Government	468.4	465.6	459.0	2.8	9.4
Local Government Hospitals	14.8	14.8	14.3	.0	.5
Local Government Education	281.7	279.8	274.5	1.8	7.2

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Goods-Producing Industries	$545.16	$531.20	$531.29	42.0	41.5	42.3	$12.98	$12.80	$12.56
Mining	622.27	614.88	574.16	44.8	44.3	43.3	13.89	13.88	13.26
Coal Mining	756.32	761.36	700.77	44.7	45.4	42.6	16.92	16.77	16.45
Construction	629.64	596.71	596.28	39.7	38.3	39.1	15.86	15.58	15.25
General Building Contractors	559.47	548.57	525.33	40.6	40.1	39.0	13.78	13.68	13.47
Heavy Construction, Except Building	573.78	539.78	756.43	37.6	36.3	43.8	15.26	14.87	17.27
Special Trade Contractors	661.48	620.16	594.03	39.8	38.0	38.3	16.62	16.32	15.51
Manufacturing	529.17	518.72	525.10	42.3	41.9	42.9	12.51	12.38	12.24
Durable Goods[f]	550.40	536.36	548.97	42.7	42.2	43.5	12.89	12.71	12.62
Lumber and Wood Products	329.83	313.05	320.39	39.5	38.6	40.2	8.35	8.11	7.97
Millwork, Plywood and Structural Members	371.70	340.23	352.80	42.0	40.6	41.9	8.85	8.38	8.42
Furniture and Fixtures	384.71	387.20	367.93	41.5	41.5	40.7	9.27	9.33	9.04
Stone, Clay, and Glass Products	482.38	476.86	475.25	42.5	42.2	42.7	11.35	11.30	11.13
Primary Metal Industries	618.49	601.51	621.72	43.1	42.6	44.6	14.35	14.12	13.94
Blast Furnace and Basic Steel Products	619.05	617.19	645.75	42.9	43.1	45.0	14.43	14.32	14.35
Iron and Steel Foundries	685.95	625.82	647.36	44.6	42.4	44.8	15.38	14.76	14.45
Nonferrous Rolling and Drawing	639.98	630.74	631.76	40.2	40.2	41.7	15.92	15.69	15.15
Nonferrous Foundries	474.82	449.83	479.44	44.5	42.8	46.1	10.67	10.51	10.40
Fabricated Metal Products	516.11	505.44	509.22	42.2	41.6	42.4	12.23	12.15	12.01
Fabricated Structural Metal Products	458.81	456.92	435.11	41.9	41.5	40.4	10.95	11.01	10.77
Metal Forgings and Stampings	643.50	625.19	639.13	42.9	42.1	44.2	15.00	14.85	14.46
Industrial Machinery and Equipment	535.62	532.16	542.68	43.3	43.3	44.3	12.37	12.29	12.25
Construction and Related Machinery	447.68	471.13	438.13	39.9	41.4	41.1	11.22	11.38	10.66
Metalworking Machinery	525.98	530.58	528.35	44.2	44.4	44.7	11.90	11.95	11.82
Special Industry Machinery	526.42	526.68	519.14	44.2	44.0	45.3	11.91	11.97	11.46
General Industrial Machinery	586.22	557.40	584.77	43.2	42.1	44.2	13.57	13.24	13.23
Computer and Office Equipment	474.61	462.45	448.14	42.3	41.7	40.3	11.22	11.09	11.12
Refrigeration and Service Machinery	556.77	544.64	631.51	40.2	39.9	44.1	13.85	13.65	14.32
Electronic and Other Electric Equipment	462.26	464.80	459.95	41.2	41.5	41.4	11.22	11.20	11.11
Electrical Industrial Apparatus	444.36	447.74	451.10	42.0	42.4	43.5	10.58	10.56	10.37
Household Appliances	485.21	515.81	479.53	40.3	41.8	39.5	12.04	12.34	12.14
Electric Lighting and Wiring Equipment	507.52	472.40	478.67	41.6	40.0	41.3	12.20	11.81	11.59
Electronic Components and Accessories	333.34	339.06	360.73	40.9	41.5	41.8	8.15	8.17	8.63
Transportation Equipment	722.35	683.12	723.31	44.7	43.4	46.1	16.16	15.74	15.69
Motor Vehicles and Equipment	749.11	700.35	758.16	45.1	43.5	46.8	16.61	16.10	16.20
Aircraft and Parts	669.73	675.14	635.19	44.5	44.8	44.7	15.05	15.07	14.21
Instruments and Related Products	390.40	377.67	382.32	40.0	39.3	40.5	9.76	9.61	9.44
Measuring and Controlling Devices	381.39	370.33	377.55	39.4	38.9	39.7	9.68	9.52	9.51
Nondurable Goods[g]	482.65	478.67	471.33	41.5	41.3	41.6	11.63	11.59	11.33
Food and Kindred Products	458.97	454.40	448.93	41.2	40.9	41.8	11.14	11.11	10.74
Dairy Products	486.60	491.89	441.41	43.1	43.3	41.8	11.29	11.36	10.56
Preserved Fruits and Vegetables	474.00	488.31	496.29	40.0	41.0	42.6	11.85	11.91	11.65
Bakery Products	491.13	483.73	466.09	39.8	39.2	39.2	12.34	12.34	11.89
Apparel and Other Textile Products	307.64	297.56	303.72	38.6	38.1	38.3	7.97	7.81	7.93
Paper and Allied Products	507.20	502.43	496.87	43.8	43.5	43.7	11.58	11.55	11.37
Paperboard Containers and Boxes	437.14	430.68	427.23	42.4	42.1	42.3	10.31	10.23	10.10
Miscellaneous Converted Paper Products	487.23	477.30	448.05	44.7	44.4	43.5	10.90	10.75	10.30
Printing and Publishing	470.04	471.22	454.31	39.8	39.9	39.3	11.81	11.81	11.56
Newspapers	402.00	381.29	371.84	34.3	33.3	33.2	11.72	11.45	11.20
Commercial Printing	477.92	482.89	454.72	41.2	41.7	40.6	11.60	11.58	11.20
Chemicals and Allied Products	601.34	586.28	577.23	42.8	42.3	42.6	14.05	13.86	13.55
Plastics Materials and Synthetics	673.42	662.72	666.32	43.7	43.6	44.6	15.41	15.20	14.94
Rubber and Miscellaneous Plastics Products	446.78	442.90	441.42	41.6	41.2	42.0	10.74	10.75	10.51
Tires and Inner Tubes	724.36	719.59	693.73	45.5	45.4	45.7	15.92	15.85	15.18
Miscellaneous Plastics Products	426.40	424.09	426.59	41.0	40.7	41.7	10.40	10.42	10.23
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	616.77	624.76	568.83	41.9	42.1	40.4	14.72	14.84	14.08
Communications	550.29	558.69	535.86	39.0	39.4	39.2	14.11	14.18	13.67
Electric, Gas, and Sanitary Services	692.92	702.60	606.52	45.2	45.3	41.8	15.33	15.51	14.51
Wholesale Trade	414.22	411.06	397.41	39.3	39.0	39.0	10.54	10.54	10.19
Wholesale Trade-Durable Goods	408.58	405.47	387.66	39.4	39.1	39.0	10.37	10.37	9.94
Motor Vehicles, Parts, and Supplies	356.24	352.64	329.30	38.1	38.0	37.0	9.35	9.28	8.90
Metals and Minerals, Except Petroleum	478.41	481.92	442.47	42.3	42.2	42.1	11.31	11.42	10.51
Wholesale Trade-Nondurable Goods	423.84	421.29	414.85	39.1	38.9	39.1	10.84	10.83	10.61

See footnotes on page 13.

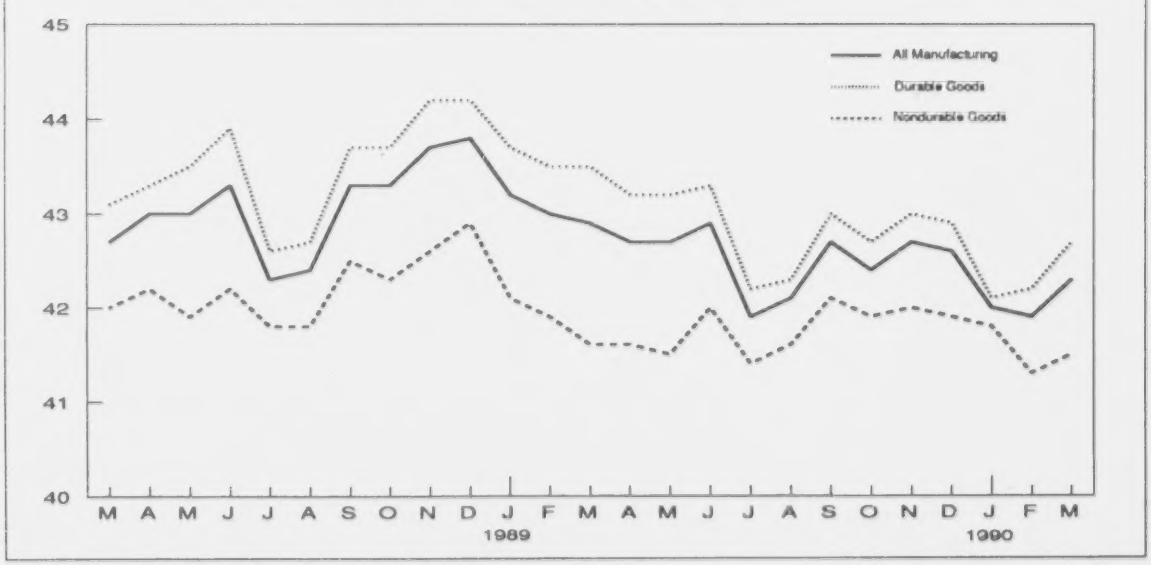
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

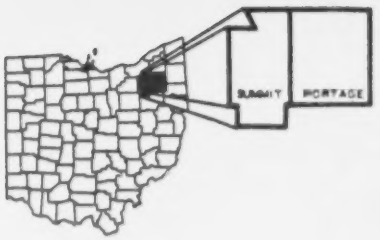
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Retail Trade[f]	$175.34	$173.80	$172.06	27.7	27.5	28.3	$6.33	$6.32	$6.08
General Merchandise Stores	189.61	184.92	177.31	28.3	27.6	28.1	6.70	6.70	6.31
Department Stores	193.69	188.78	183.90	28.4	27.6	28.6	6.82	6.84	6.43
Finance, Insurance, and Real Estate	350.67	352.64	341.90	....	....	....	.....	.....	.....
Finance	326.42	325.81	316.09	....	....	....	.....	.....	.....
Depository Institutions	279.70	279.61	270.02	....	....	....	.....	.....	.....
Commercial Banks	277.24	278.05	269.65	....	....	....	.....	.....	.....
Insurance	414.41	417.21	403.23	....	....	....	.....	.....	.....
Insurance Carriers	402.86	402.64	391.58	....	....	....	.....	.....	.....
Life Insurance	371.30	370.75	364.07	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	435.99	435.58	408.46	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	234.00	236.52	209.19	32.5	32.4	31.6	7.20	7.30	6.62
Health Services	308.39	307.41	293.20	31.5	31.4	31.8	9.79	9.79	9.22
Nursing and Personal Care Facilities	206.98	204.39	191.81	31.6	31.3	31.6	6.55	6.53	6.07
Hospitals	361.93	362.57	346.54	32.2	32.2	32.6	11.24	11.26	10.63
Engineering and Management Services	494.93	490.82	437.78	36.1	35.8	36.3	13.71	13.71	12.06
Engineering and Architectural Services	693.72	681.03	606.53	33.4	32.9	35.1	20.77	20.70	17.28
Research and Testing Services	391.28	388.19	346.37	37.3	36.9	35.2	10.49	10.52	9.84

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



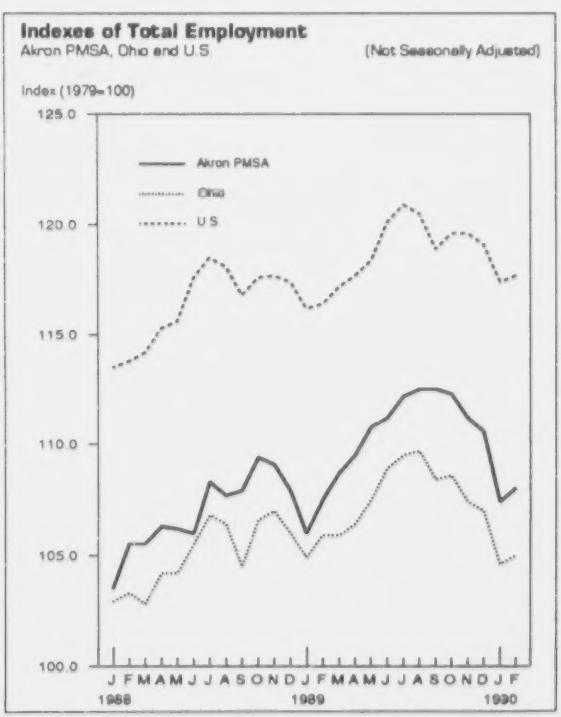
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

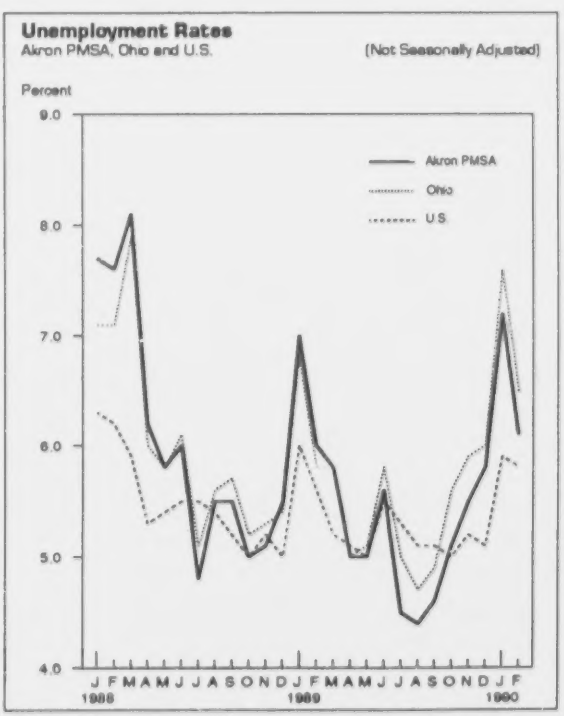


Nonagricultural payroll employment in the Akron metropolitan area totaled 285,400 in March 1990, increasing 2,700 above the February level. Service-producing industries gained 2,000 due to more business in services and retail trade. Employment in goods-producing industries, at 77,000, added 700 jobs over the month. Modest improvements occurred in durable-goods manufacturing, especially fabricated metal products, and in construction. Factory production workers averaged $11.73 per hour, up 5 cents from February. Their average workweek of 42.7 hours was 0.2 hours longer.

Nonfarm wage and salary employment advanced 6,600 between March 1989 and March 1990. Most of the gain occurred in service-producing industries. Noteworthy expansion was recorded in services (+3,700) and retail trade (+1,200). Scattered increases in manufacturing raised employment in goods-producing industries 300 over the year. Growth in rubber and miscellaneous plastics products, particularly tires and inner tubes, and in industrial machinery and equipment more than offset a decline in transportation equipment.

Seasonally adjusted employment in the Akron area was unchanged from February at 288,000 in March 1990. An increase in services was counterbalanced by a decline in government. Since March 1989, total payroll employment advanced 6,000. Noteworthy growth occurred in services, retail trade, and finance, insurance, and real estate.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
329.5	310.3	19.2	5.8	March	278.8	67.5	39.5	495.62	42.8	11.58
328.8	312.4	16.4	5.0	April	281.2	67.7	39.8	493.85	42.5	11.62
332.8	316.2	16.6	5.0	May	284.9	68.1	40.0	495.32	42.7	11.60
336.0	317.3	18.7	5.6	June	283.0	68.4	40.2	483.49	42.3	11.43
335.3	320.1	15.1	4.5	July	281.6	68.5	40.1	482.05	42.1	11.45
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
328.4	308.3	20.1	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
INA	INA	INA	INA	March	285.4	67.8	38.8	500.87	42.7	11.73

INA – information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
282	79	10	68	March	203	13	16	55	10	65	44
281	78	10	68	April	203	13	15	55	10	65	44
282	78	10	68	May	203	13	15	55	10	66	44
283	78	10	68	June	205	13	15	55	10	67	44
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	209	13	16	57	11	69	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	285.4	282.7	278.8	2.7	6.6
Goods-Producing Industries[e]	77.0	76.3	76.7	.7	.3
Construction	8.6	8.4	8.6	.2	-.1
Manufacturing	67.8	67.3	67.5	.5	.3
Durable Goods[f]	34.8	34.4	34.7	.3	.1
Fabricated Metal Products	11.1	10.8	11.0	.3	.1
Fabricated Structural Metal Products	4.8	4.8	4.7	.0	.1
Industrial Machinery and Equipment	10.1	10.2	9.9	.0	.2
Metalworking Machinery	3.9	3.9	3.7	.0	.2
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.9	4.9	5.3	.0	-.4
Nondurable Goods[g]	33.1	32.9	32.8	.2	.3
Food and Kindred Products	3.0	3.0	3.0	.0	.0
Chemicals and Allied Products	3.6	3.6	3.7	.0	-.1
Rubber and Miscellaneous Plastics Products	20.5	20.4	20.2	.1	.3
Tires and Inner Tubes	11.4	11.4	11.0	.0	.4
Service-Producing Industries	208.4	206.4	202.1	2.0	6.3
Transportation and Public Utilities	13.2	13.2	12.9	.1	.3
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	15.7	15.6	15.5	.1	.2
Retail Trade	55.2	54.7	54.0	.5	1.2
General Merchandise Stores	7.5	7.6	7.3	-.2	.2
Food Stores	8.9	9.0	8.7	.0	.2
Finance, Insurance, and Real Estate	10.5	10.4	10.2	.1	.3
Finance	5.3	5.3	5.2	.0	.1
Services	66.9	66.1	63.2	.9	3.7
Business Services	11.7	11.5	10.5	.2	1.1
Personnel Supply Services	3.3	3.0	2.9	.2	.4
Amusements, Including Motion Pictures	5.3	5.1	4.1	.2	1.2
Health Services	21.9	21.8	21.1	.1	.8
Nursing and Personal Care Facilities	3.9	3.8	3.5	.0	.3
Hospitals	10.9	10.9	10.8	.0	.2
Social Services	4.6	4.6	4.6	.1	.0
Engineering and Management Services	5.2	5.0	4.9	.1	.2
Government	46.8	46.4	46.3	.4	.5
Federal Government	2.4	2.4	2.4	.0	-.1
State Government	17.8	17.5	17.5	.3	.3
State Government Education[h]	15.0	14.7	14.6	.3	.4
Local Government	26.7	26.5	26.4	.2	.3
Local Government Education	14.9	14.9	14.8	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

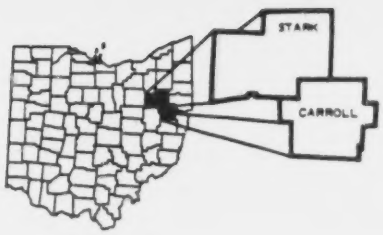
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$500.87	$496.40	$495.62	42.7	42.5	42.8	$11.73	$11.68	$11.58
Durable Goods[f]	503.86	504.18	511.37	42.7	42.8	43.3	11.80	11.78	11.81
Fabricated Metal Products	572.77	590.94	617.76	41.0	42.0	42.9	13.97	14.07	14.40
Fabricated Structural Metal Products	500.12	515.04	432.43	42.6	43.5	39.6	11.74	11.84	10.92
Industrial Machinery and Equipment	490.77	483.65	480.13	45.4	44.7	46.3	10.81	10.82	10.37
Metalworking Machinery	527.98	521.60	509.65	46.6	46.2	46.8	11.33	11.29	10.89
Electronic and Other Electric Equipment	401.60	404.09	380.24	40.0	40.9	38.8	10.04	9.88	9.80
Transportation Equipment	659.91	652.96	651.39	44.2	44.0	44.8	14.93	14.84	14.54
Nondurable Goods[g]	497.34	485.83	475.59	42.8	42.1	42.2	11.62	11.54	11.27
Food and Kindred Products	387.69	368.55	437.74	40.3	39.0	43.0	9.62	9.45	10.18
Chemicals and Allied Products	529.39	509.46	513.95	42.9	42.0	42.3	12.34	12.13	12.15
Rubber and Miscellaneous Plastics Products	486.21	494.49	469.11	42.8	43.3	42.3	11.36	11.42	11.09
Tires and Inner Tubes	802.56	803.52	822.64	48.0	48.0	50.1	16.72	16.74	16.42
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	581.60	587.32	575.71	40.0	40.2	40.6	14.54	14.61	14.18
Wholesale Trade	354.24	353.65	350.97	36.9	36.8	37.1	9.60	9.61	9.46
Retail Trade[i]	216.22	210.06	209.94	30.8	30.4	32.2	7.02	6.91	6.52
General Merchandise Stores	202.64	194.24	211.57	30.2	29.7	32.3	6.71	6.54	6.55
Food Stores	325.09	309.40	314.44	36.9	35.4	37.3	8.81	8.74	8.43
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	285.19	287.83	275.46	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

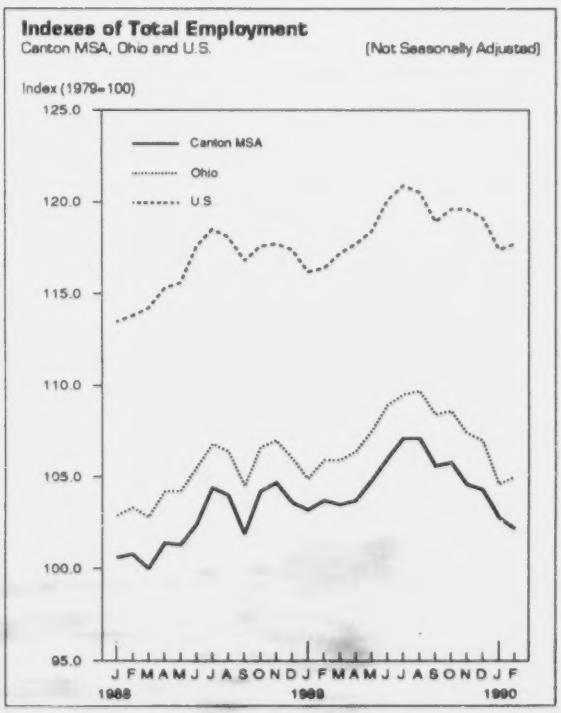
CANTON
METROPOLITAN STATISTICAL AREA

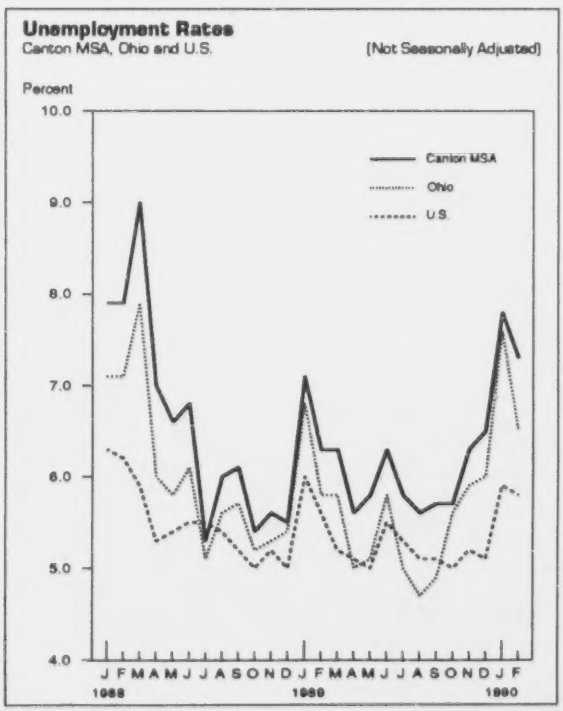


In the Canton metropolitan area, nonfarm payroll employment totaled 163,100 in March 1990, up 400 from February. More business in services helped raise employment in service-producing industries 600. The number of workers in goods-producing industries declined 200 over the month to 51,900. Lowered production in durable-goods manufacturing, especially fabricated metal products, outweighed a seasonal increase in construction. Factory production workers averaged $11.23 per hour, unchanged from February. Their average workweek remained at 42.2 hours.

Nonagricultural wage and salary employment advanced 900 between March 1989 and March 1990. Expansion in service-producing industries provided 2,200 additional jobs. Notable growth occurred in services, local government, and retail trade. Scattered declines in manufacturing lowered employment in goods-producing industries 1,300 during the period. Reductions were recorded in primary metal industries, fabricated metal products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Canton area declined 1,000 from the February level to 166,000 in March 1990. Slight decreases were recorded in manufacturing and retail trade. Since March 1989, total payroll employment increased 1,000. Improvements in service-producing industries more than offset a reduction in manufacturing.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.7	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
191.8	179.7	12.1	6.3	March	162.2	46.2	33.1	464.67	41.9	11.09
190.9	180.1	10.8	5.6	April	163.0	46.0	33.1	469.56	42.0	11.18
193.3	182.0	11.2	5.8	May	164.7	46.2	33.2	470.82	42.0	11.21
196.6	184.2	12.4	6.3	June	165.7	46.4	33.3	476.30	42.3	11.26
197.4	186.0	11.5	5.8	July	165.2	45.9	32.9	454.92	40.8	11.15
197.0	186.1	10.9	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.5	177.5	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
INA	INA	INA	INA	March	163.1	44.9	31.3	473.91	42.2	11.23

INA – information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
165	55	7	47	March	110	6	9	33	7	38	19
164	54	7	46	April	110	6	8	32	7	38	19
164	54	7	46	May	110	6	8	32	7	38	19
164	54	7	46	June	110	6	8	33	7	38	19
164	53	7	46	July	111	6	9	33	7	38	19
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	7	45	March	113	6	8	33	7	39	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	163.1	162.7	162.2	.4	.9
Goods-Producing Industries[e]	51.9	52.1	53.1	-.2	-1.3
Construction	6.3	5.9	6.2	.4	.1
Manufacturing	44.9	45.4	46.2	-.5	-1.4
Durable Goods[f]	33.3	33.8	34.5	-.5	-1.2
Primary Metal Industries	11.3	11.4	11.9	-.1	-.6
Fabricated Metal Products	5.9	6.1	6.5	-.2	-.6
Electronic and Other Electric Equipment	4.2	4.2	4.2	.0	.0
Nondurable Goods[g]	11.6	11.7	11.7	-.1	-.1
Food and Kindred Products	3.3	3.3	3.2	.0	.1
Rubber and Miscellaneous Plastics Products	2.9	3.0	3.2	-.1	-.3
Service-Producing Industries	111.3	110.7	109.1	.6	2.2
Transportation and Public Utilities	5.5	5.5	5.6	.1	-.1
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.3	8.3	8.5	.1	-.2
Retail Trade	32.5	32.4	31.9	.1	.6
General Merchandise Stores	3.9	4.0	4.2	-.1	-.3
Food Stores	5.5	5.5	5.4	-.1	.1
Finance, Insurance, and Real Estate	6.8	6.7	6.8	.0	.0
Finance	4.0	3.9	3.8	.0	.1
Services	38.3	38.1	37.1	.3	1.2
Health Services	15.7	15.7	15.3	.0	.4
Nursing and Personal Care Facilities	3.8	3.8	3.7	.0	.1
Hospitals	7.3	7.3	7.1	.0	.2
Government	19.8	19.8	19.1	.0	.7
Federal Government	1.4	1.4	1.4	.0	.0
State Government (Includes Education)	1.8	1.7	1.7	.1	.1
Local Government	16.6	16.7	16.0	-.1	.6
Local Government Education	10.1	10.2	9.8	.0	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

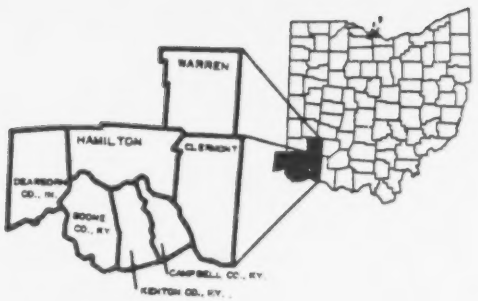
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$473.91	$473.91	$464.67	42.2	42.2	41.9	$11.23	$11.23	$11.09
Durable Goods[f]	493.91	497.08	492.06	42.8	43.0	42.9	11.54	11.56	11.47
Primary Metal Industries	536.07	514.93	516.43	45.2	44.2	45.5	11.86	11.65	11.35
Fabricated Metal Products	475.47	479.55	479.93	40.5	40.4	40.5	11.74	11.87	11.85
Electronic and Other Electric Equipment	546.31	545.79	495.74	40.8	40.7	38.4	13.39	13.41	12.91
Nondurable Goods[g]	412.08	401.37	381.22	40.4	39.7	38.9	10.20	10.11	9.80
Food and Kindred Products	411.33	413.51	371.51	39.1	38.9	37.3	10.52	10.63	9.96
Rubber and Miscellaneous Plastics Products	407.55	400.46	402.11	41.8	41.2	41.2	9.75	9.72	9.76
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	582.50	572.57	551.43	40.2	39.9	39.7	14.49	14.35	13.89
Wholesale Trade	394.39	382.31	384.80	39.4	38.5	37.8	10.01	9.93	10.18
Retail Trade[i]	172.10	171.46	163.02	28.4	28.2	28.5	6.06	6.08	5.72
General Merchandise Stores	196.61	191.81	194.06	29.7	28.8	31.0	6.62	6.66	6.26
Food Stores	167.40	165.41	156.78	27.9	27.8	27.7	6.00	5.95	5.66
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	180.89	181.40	169.92	29.8	29.4	29.5	6.07	6.17	5.76

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

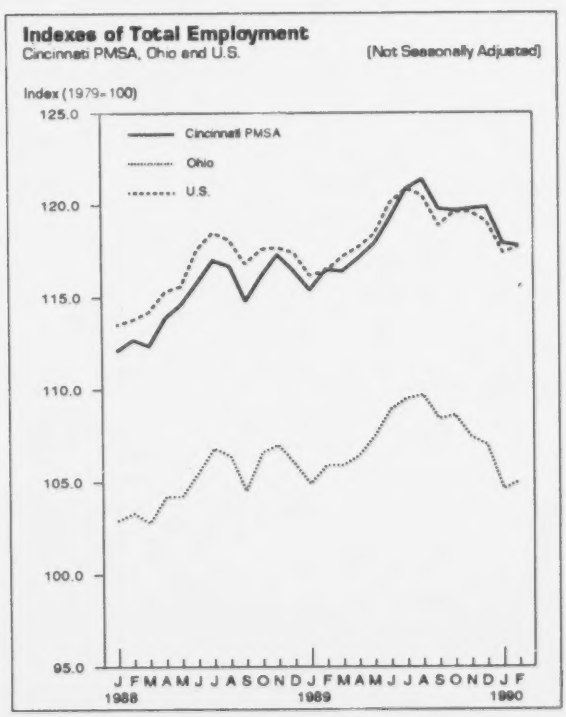
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA

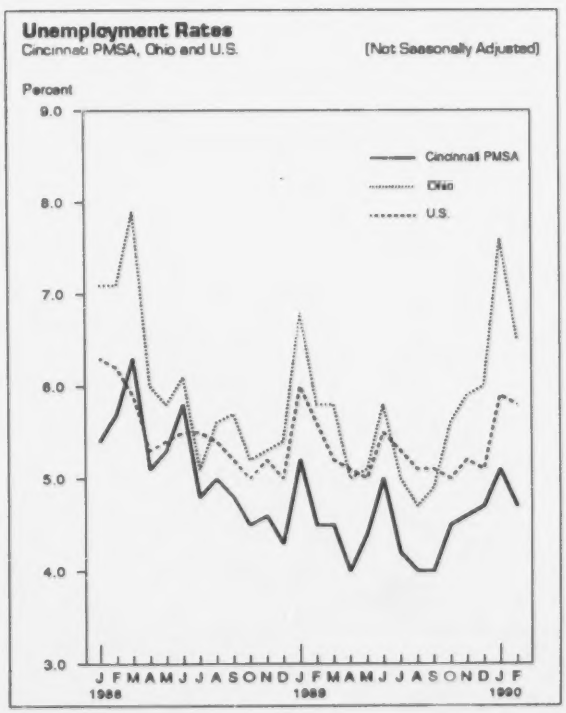


Nonfarm wage and salary employment in the Cincinnati metropolitan area rose 7,400 above the February level to 735,400 in March 1990. Seasonal improvements in services, especially amusements, including motion pictures, and more business in retail trade increased the workforce in service-producing industries 6,400. Employment in goods-producing industries, at 181,600, added 1,000 jobs over the month. A cyclical upturn in construction overshadowed declines in durable-goods manufacturing. Factory production workers averaged $11.91 per hour, 18 cents higher than February. Their average workweek increased 0.8 hours to 43.3 hours.

Nonagricultural payroll employment advanced 22,200 between March 1989 and March 1990. Service-producing industries contributed 78.8 percent of the improvement. Primary areas of expansion were retail trade (+7,600) and services (+4,800). Noteworthy gains also occurred in transportation and public utilities, wholesale trade, and state and local government. Improvements in manufacturing and construction increased employment in goods-producing industries 4,800 above the year-ago level. Moderate growth was reported in transportation equipment, food and kindred products, and printing and publishing.

Seasonally adjusted employment in the Cincinnati area totaled 746,000 in March 1990, up 2,000 from February. Improvements in services and retail trade outweighed a modest decrease in manufacturing. Since March 1989, total payroll employment advanced 22,000. A major portion of the gain occurred in retail trade, services, and manufacturing.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.9	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
765.9	731.1	34.8	4.5	March	713.1	144.8	91.4	490.14	42.4	11.56
766.4	735.6	30.8	4.0	April	717.9	144.8	91.3	494.04	42.7	11.57
774.2	740.5	33.8	4.4	May	722.9	144.7	91.3	487.90	42.5	11.48
788.4	749.3	39.1	5.0	June	729.2	146.2	92.1	500.39	43.1	11.61
793.0	759.4	33.6	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.3	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.8	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
776.2	740.1	36.1	4.7	February	727.9	149.1	93.9	498.53	42.5	11.73
INA	INA	INA	INA	March	735.4	148.4	93.1	515.70	43.3	11.91

INA – information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
724	182	35	146	March	542	39	47	141	43	183	90
719	180	34	146	April	539	39	47	140	43	180	90
719	180	34	145	May	539	39	47	140	43	180	89
723	181	34	146	June	542	39	47	142	43	182	90
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	735.4	727.9	713.1	7.4	22.2
Goods-Producing Industries[e]	181.6	180.5	176.8	1.0	4.8
Construction	32.8	31.1	31.7	1.7	1.0
Manufacturing	148.4	149.1	144.8	-.7	3.7
Durable Goods[f]	80.0	80.6	78.3	-.6	1.8
Fabricated Metal Products	12.1	12.3	12.1	-.1	.0
Fabricated Structural Metal Products	4.5	4.5	4.3	.0	.1
Industrial Machinery and Equipment	19.3	19.6	19.3	-.2	.0
Electronic and Other Electric Equipment	7.9	8.0	7.8	-.1	.1
Transportation Equipment	24.7	24.8	23.4	.0	1.3
Motor Vehicles and Equipment	4.9	5.0	5.0	-.1	-.1
Instruments and Related Products	3.6	3.7	3.4	-.1	.1
Nondurable Goods[g]	68.4	68.5	66.5	-.1	1.9
Food and Kindred Products	12.5	12.6	11.8	-.1	.7
Beverages	2.7	2.8	2.8	-.1	-.1
Apparel and Other Textile Products	3.7	3.7	3.5	-.1	.1
Paper and Allied Products	6.0	6.0	5.8	.0	.2
Printing and Publishing	14.7	14.6	14.0	.1	.7
Commercial Printing	6.5	6.4	6.1	.1	.4
Chemicals and Allied Products	22.3	22.3	22.5	.0	-.2
Rubber and Miscellaneous Plastics Products	6.5	6.5	6.5	.0	.0
Service-Producing Industries	553.8	547.4	536.3	6.4	17.5
Transportation and Public Utilities	40.3	40.1	38.3	.2	2.0
Transportation	24.0	23.8	22.5	.2	1.5
Trucking and Warehousing	10.8	10.7	10.0	.1	.8
Transportation by Air	6.4	6.3	5.9	.1	.5
Communications, Electric, Gas Services	16.3	16.3	15.8	.0	.5
Communications	9.7	9.8	9.7	.0	.0
Wholesale Trade	48.7	48.4	47.3	.4	1.4
Wholesale Trade-Durable Goods	28.8	28.7	28.4	.2	.5
Retail Trade	145.2	143.1	137.6	2.1	7.6
General Merchandise Stores	22.1	21.8	20.4	.3	1.7
Finance, Insurance, and Real Estate	42.5	42.4	42.2	.2	.4
Finance	17.3	17.3	17.2	.0	.1
Depository Institutions	13.6	13.6	13.4	.0	.2
Commercial Banks	9.5	9.5	9.3	.0	.2
Insurance	17.1	17.0	17.1	.1	.0
Insurance Carriers	14.3	14.2	14.5	.1	-.2
Life Insurance	6.8	6.7	7.0	.1	-.2
Fire, Marine, and Casualty Insurance	5.1	5.1	4.9	.1	.2
Services	183.9	180.7	179.1	3.2	4.8
Hotels and Other Lodging Places	7.3	7.1	7.1	.2	.1
Personal Services	8.9	8.8	8.6	.1	.2
Business Services	36.9	36.2	36.5	.7	.4
Services to Buildings	6.1	6.0	5.9	.1	.2
Computer and Data Processing Services	4.7	4.7	4.4	.0	.3
Amusements, Including Motion Pictures	9.3	8.2	9.0	1.1	.3
Health Services	57.1	57.0	55.6	.1	1.5
Nursing and Personal Care Facilities	11.1	11.0	10.8	.1	.4
Hospitals	27.3	27.4	27.0	-.1	.3
Legal Services	4.4	4.4	4.1	.0	.3
Educational Services	7.3	7.2	7.4	.1	-.1
Social Services	12.3	12.1	11.8	.1	.5
Residential Care	4.8	4.7	4.5	.1	.3
Engineering and Management Services	16.5	16.3	16.0	.3	.5
Engineering and Architectural Services	5.7	5.6	5.3	.1	.4
Government	93.2	92.8	91.8	.4	1.4
Federal Government	17.1	16.9	17.1	.2	.0
State Government	21.5	21.4	20.9	.2	.7
State Government Education[h]	13.4	13.3	13.0	.1	.4
Local Government	54.6	54.6	53.8	.0	.7
Local Government Education	31.5	31.5	31.1	.0	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

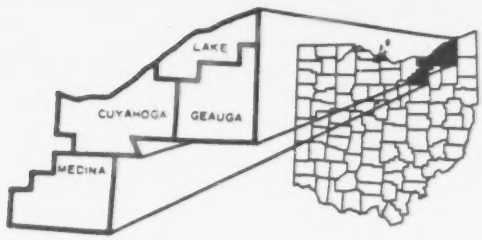
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$515.70	$498.53	$490.14	43.3	42.5	42.4	$11.91	$11.73	$11.56
Durable Goods[f]	511.73	492.20	490.92	43.7	42.8	42.8	11.71	11.50	11.47
Fabricated Metal Products	431.52	420.89	410.11	43.5	42.6	41.3	9.92	9.88	9.93
Fabricated Structural Metal Products	482.60	451.19	430.50	45.4	43.3	41.0	10.63	10.42	10.50
Industrial Machinery and Equipment	466.47	476.50	452.19	42.6	43.2	42.3	10.95	11.03	10.69
Electronic and Other Electric Equipment	402.55	368.55	356.40	43.1	40.5	40.0	9.34	9.10	8.91
Transportation Equipment	790.60	731.25	789.52	47.2	45.0	48.2	16.75	16.25	16.38
Motor Vehicles and Equipment	901.20	744.72	887.54	49.3	43.5	50.4	18.28	17.12	17.61
Instruments and Related Products	375.84	363.79	336.00	43.5	42.4	42.0	8.64	8.58	8.00
Nondurable Goods[g]	518.31	504.71	489.30	42.8	42.2	42.0	12.11	11.96	11.65
Food and Kindred Products	502.55	484.78	499.59	43.1	41.9	42.7	11.66	11.57	11.70
Beverages	579.70	567.06	511.00	43.1	42.7	40.3	13.45	13.28	12.68
Apparel and Other Textile Products	254.31	248.96	231.86	38.3	38.9	37.7	6.64	6.40	6.15
Paper and Allied Products	444.39	453.53	468.66	41.3	41.8	43.8	10.76	10.85	10.70
Printing and Publishing	512.19	532.59	478.31	42.4	43.3	40.5	12.08	12.30	11.81
Commercial Printing	546.75	575.51	521.33	45.0	46.3	43.3	12.15	12.43	12.04
Chemicals and Allied Products	651.21	605.47	574.34	44.3	42.4	42.2	14.70	14.28	13.61
Rubber and Miscellaneous Plastics Products	429.54	427.98	423.76	43.3	43.1	44.7	9.92	9.93	9.48
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	569.72	568.79	574.65	39.4	39.2	40.9	14.46	14.51	14.05
Communications	576.63	575.19	572.23	38.7	38.5	40.1	14.90	14.94	14.27
Wholesale Trade	438.37	437.73	415.35	39.6	39.4	39.0	11.07	11.11	10.65
Retail Trade[i]	172.70	170.84	165.86	27.9	27.6	28.4	6.19	6.19	5.84
General Merchandise Stores	216.95	209.20	190.74	30.3	29.3	29.3	7.16	7.14	6.51
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	301.38	302.94	274.98	....	....	....	.....	.....	.....
Commercial Banks	270.79	272.10	258.17	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	411.04	409.27	398.01	....	....	....	.....	.....	.....
Life Insurance	419.50	420.00	415.57	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	423.49	421.73	388.99	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	429.68	428.04	374.19	32.8	32.6	31.9	13.10	13.13	11.73
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	653.84	653.54	598.53	41.2	41.0	42.6	15.87	15.94	14.05

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

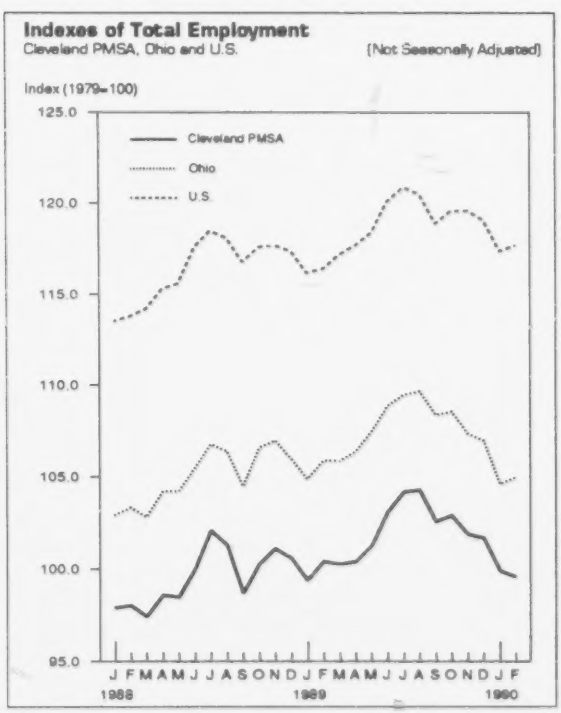
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

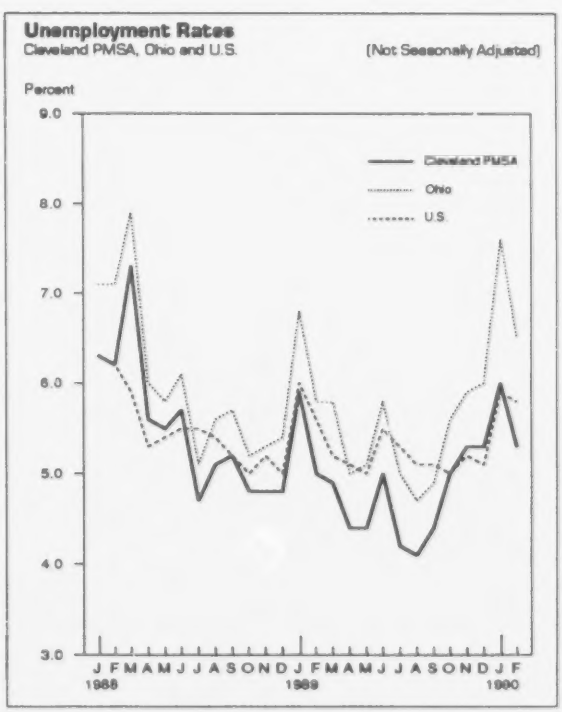


Nonagricultural payroll employment in the Cleveland metropolitan area totaled 936,100 in March 1990, up 7,600 from February. More business in services and retail trade and an increase in nonteaching personnel in local schools added 7,100 jobs in service-producing industries. Employment in goods-producing industries increased 600 to 236,300. A cyclical upturn in construction more than offset reductions in durable-goods manufacturing, especially industrial machinery and equipment and fabricated metal products. Factory production workers averaged $12.14 per hour, 23 cents higher than February. Their average workweek of 43.2 hours was 1.0 hours longer.

Total nonfarm wage and salary employment advanced 15,400 between March 1989 and March 1990. The improvement was concentrated in service-producing industries. Leading growth sectors were services (+5,700) and retail trade (+3,600). Notable gains also were registered in local government, wholesale trade, and transportation and public utilities. Employment in goods-producing industries decreased 100 over the year as scattered losses in durable-goods manufacturing negated modest growth in nondurable-goods manufacturing and construction.

Seasonally adjusted employment in the Cleveland area rose 3,000 from the February level to 952,000 in March 1990. Modest increases were recorded in services, retail trade, and finance, insurance, and real estate. Since March 1989, total payroll employment advanced 16,000 primarily due to growth in services, retail trade, and wholesale trade.





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.39	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.67	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
937.8	891.4	46.4	4.9	March	920.7	206.9	134.0	517.85	43.7	11.85
933.2	892.6	40.6	4.4	April	922.0	206.0	133.3	517.53	43.6	11.87
942.6	900.7	41.9	4.4	May	933.8	207.1	133.4	511.49	43.2	11.84
964.9	916.3	48.6	5.0	June	944.6	208.4	133.9	511.69	43.4	11.79
967.2	926.4	40.8	4.2	July	943.5	206.0	131.7	484.78	41.9	11.57
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.6	885.8	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
INA	INA	INA	INA	March	936.1	206.2	131.9	524.45	43.2	12.14

INA – information not available

Cleveland PMSA Nonagricultural [illegible] and Salary Employment

Seasonally
(In Thousa

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
936	242	33	208	March	694	42	66	159	57	252	119
928	241	33	207	April	688	42	66	158	57	250	116
932	241	33	207	May	691	42	66	158	57	250	118
934	241	33	207	June	693	42	66	158	57	251	118
934	240	33	206	July	694	42	66	159	57	253	117
935	241	33	207	August	694	42	67	160	57	253	116
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	936.1	928.4	920.7	7.6	15.4
Goods-Producing Industries[e]	236.3	235.8	236.4	.6	-.1
Construction	29.3	28.3	28.7	1.0	.6
Special Trade Contractors	20.2	19.6	19.2	.6	1.0
Manufacturing	206.2	206.6	206.9	-.5	-.7
Durable Goods[f]	141.0	141.4	142.6	-.4	-1.6
Stone, Clay, and Glass Products	3.6	3.5	3.5	.1	.1
Primary Metal Industries	20.8	20.7	21.2	.1	-.4
Iron and Steel Foundries	4.5	4.5	4.7	.1	-.2
Fabricated Metal Products	34.3	34.5	34.7	-.2	-.5
Screw Machine Products, Bolts, etc.	4.9	5.0	5.2	-.1	-.3
Metal Forgings and Stampings	11.1	11.2	11.4	-.1	-.3
Industrial Machinery and Equipment	33.1	33.4	33.7	-.3	-.6
Metalworking Machinery	12.8	12.9	13.1	-.1	-.4
Electronic and Other Electric Equipment	15.3	15.4	15.7	-.1	-.4
Electrical Industrial Apparatus	4.3	4.4	4.4	-.1	-.1
Electric Lighting and Wiring Equipment	5.3	5.3	5.3	.0	.0
Transportation Equipment	19.4	19.4	19.4	.0	.1
Motor Vehicles and Equipment	12.3	12.3	12.1	.0	.2
Instruments and Related Products	7.0	7.0	6.9	.0	.1
Measuring and Controlling Devices	4.9	4.9	4.8	.0	.1
Nondurable Goods[g]	65.1	65.2	64.3	.0	.9
Food and Kindred Products	6.6	6.6	6.6	.0	.0
Apparel and Other Textile Products	3.2	3.3	3.4	-.1	-.2
Paper and Allied Products	5.9	5.9	6.0	.0	-.2
Printing and Publishing	17.0	16.9	16.4	.1	.7
Chemicals and Allied Products	14.7	14.8	14.5	-.1	.2
Rubber and Miscellaneous Plastics Products	11.9	11.8	11.9	.1	.0
Miscellaneous Plastics Products	7.5	7.5	7.2	.1	.4
Service-Producing Industries	699.7	692.6	684.3	7.1	15.4
Transportation and Public Utilities	42.1	41.5	40.6	.6	1.6
Transportation	24.8	24.2	23.3	.6	1.5
Trucking and Warehousing	11.4	11.2	11.0	.1	.4
Transportation by Air	5.4	5.4	4.8	.0	.5
Communications, Electric, Gas Services	17.3	17.4	17.3	.0	.1
Communications	10.2	10.2	10.2	.0	.0
Electric, Gas, and Sanitary Services	7.1	7.2	7.1	.0	.1
Wholesale Trade	67.3	66.9	65.5	.3	1.7
Wholesale Trade-Durable Goods	45.8	45.5	44.7	.2	1.1
Motor Vehicles, Parts, and Supplies	4.0	4.0	4.2	.0	-.2
Professional and Commercial Equipment	9.1	9.0	9.0	.0	.1
Retail Trade	158.4	157.0	154.8	1.4	3.6
General Merchandise Stores	20.6	20.6	20.6	.0	.1
Finance, Insurance, and Real Estate	57.3	57.0	56.5	.4	.8
Finance	28.0	27.8	27.8	.1	.2
Depository Institutions	20.5	20.5	20.5	.0	.0
Commercial Banks	13.0	13.0	12.6	.0	.4
Insurance	18.6	18.5	18.2	.1	.3
Insurance Carriers	14.1	14.0	13.7	.1	.3
Fire, Marine, and Casualty Insurance	6.4	6.3	6.2	.0	.1
Services	253.6	250.2	247.9	3.4	5.7
Business Services	52.7	52.0	51.1	.7	1.6
Personnel Supply Services	20.3	19.7	19.9	.6	.4
Computer and Data Processing Services	6.7	6.7	6.1	.0	.6
Amusements, Including Motion Pictures	9.3	8.6	9.9	.7	-.6
Health Services	79.0	78.9	77.6	.1	1.3
Nursing and Personal Care Facilities	13.5	13.4	13.2	.1	.3
Hospitals	43.7	43.6	43.5	.1	.1
Legal Services	9.6	9.5	9.2	.0	.4
Educational Services	19.5	18.8	19.3	.7	.1
Social Services	13.9	13.7	13.2	.1	.7
Residential Care	3.7	3.6	3.4	.1	.3
Engineering and Management Services	21.4	21.2	20.9	.2	.5
Engineering and Architectural Services	7.9	7.7	7.5	.1	.4
Accounting, Auditing, and Bookkeeping	6.5	6.5	6.6	.0	-.1
Management and Public Relations	4.5	4.5	4.3	.1	.2
Government	121.0	120.0	119.0	1.0	2.0
Federal government	20.1	20.2	20.7	-.1	-.6
State government	8.1	8.0	8.3	.1	-.2
State government education[h]	3.2	3.2	3.4	.0	-.2
Local government	92.8	91.8	90.1	1.0	2.7
Local government education	48.7	47.9	47.2	.7	1.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

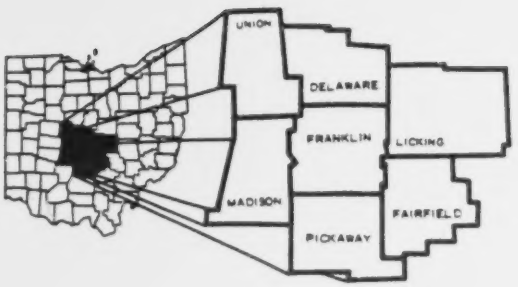
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$524.45	$502.60	$517.85	43.2	42.2	43.7	$12.14	$11.91	$11.85
Durable Goods[f]	560.51	530.33	549.13	44.1	42.7	44.5	12.71	12.42	12.34
Stone, Clay, and Glass Products	503.58	479.35	489.92	42.0	40.9	42.9	11.99	11.72	11.42
Primary Metal Industries	544.68	512.74	536.07	44.5	42.8	45.2	12.24	11.98	11.86
Iron and Steel Foundries	857.84	765.62	874.87	46.8	43.8	49.4	18.33	17.48	17.71
Fabricated Metal Products	563.73	534.24	547.36	43.7	42.4	44.0	12.90	12.60	12.44
Screw Machine Products, Bolts, etc.	546.66	504.36	550.91	44.3	42.1	44.5	12.34	11.98	12.38
Metal Forgings and Stampings	733.66	676.71	675.42	46.2	43.8	45.3	15.88	15.45	14.91
Industrial Machinery and Equipment	561.82	528.06	551.30	45.9	44.3	45.3	12.24	11.92	12.17
Metalworking Machinery	567.82	562.27	543.01	47.2	46.7	44.4	12.03	12.04	12.23
Electronic and Other Electric Equipment	415.90	422.24	431.46	40.3	40.6	42.3	10.32	10.40	10.20
Electrical Industrial Apparatus	442.68	439.30	453.58	42.0	41.6	44.6	10.54	10.56	10.17
Electric Lighting and Wiring Equipment	370.13	370.26	385.83	37.5	37.4	39.9	9.87	9.90	9.67
Transportation Equipment	746.04	704.69	741.00	44.7	43.1	45.6	16.69	16.35	16.25
Motor Vehicles and Equipment	818.08	759.56	832.48	44.9	42.6	46.9	18.22	17.83	17.75
Instruments and Related Products	450.69	447.69	395.35	41.5	41.3	40.8	10.86	10.84	9.69
Measuring and Controlling Devices	455.10	458.13	446.26	41.6	41.8	42.1	10.94	10.96	10.60
Nondurable Goods[g]	436.24	433.54	437.63	41.0	40.9	41.6	10.64	10.60	10.52
Food and Kindred Products	431.34	438.00	499.40	39.5	40.0	45.4	10.92	10.95	11.00
Apparel and Other Textile Products	371.91	367.30	360.05	38.7	38.3	38.1	9.61	9.59	9.45
Paper and Allied Products	521.55	516.73	477.84	45.0	44.7	42.1	11.59	11.56	11.35
Printing and Publishing	385.32	371.48	371.80	38.0	37.0	37.9	10.14	10.04	9.81
Chemicals and Allied Products	549.98	541.03	545.75	42.9	42.5	43.8	12.82	12.73	12.46
Rubber and Miscellaneous Plastics Products	378.78	377.64	380.88	41.9	42.1	42.7	9.04	8.97	8.92
Miscellaneous Plastics Products	387.96	391.82	388.20	42.4	43.2	42.8	9.15	9.07	9.07
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	468.54	467.17	458.33	34.3	34.2	33.8	13.66	13.66	13.56
Communications, Electric, Gas Services	607.60	625.87	599.35	40.0	40.8	40.8	15.19	15.34	14.69
Wholesale Trade	457.43	458.60	443.91	39.4	39.5	40.1	11.61	11.61	11.07
Retail Trade[i]	187.41	184.95	181.71	27.2	27.0	27.0	6.89	6.85	6.73
General Merchandise Stores	185.63	182.38	185.35	27.5	27.1	27.5	6.75	6.73	6.74
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	324.30	321.26	322.62	....	....	....	.....	.....	.....
Depository Institutions	297.42	294.47	297.86	....	....	....	.....	.....	.....
Commercial Banks	293.32	290.24	304.57	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	328.54	326.86	315.98	31.2	31.1	31.1	10.53	10.51	10.16
Nursing and Personal Care Facilities	235.67	230.21	210.22	33.1	32.7	31.9	7.12	7.04	6.59
Hospitals	360.27	359.96	346.30	30.3	30.3	30.7	11.89	11.88	11.28

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

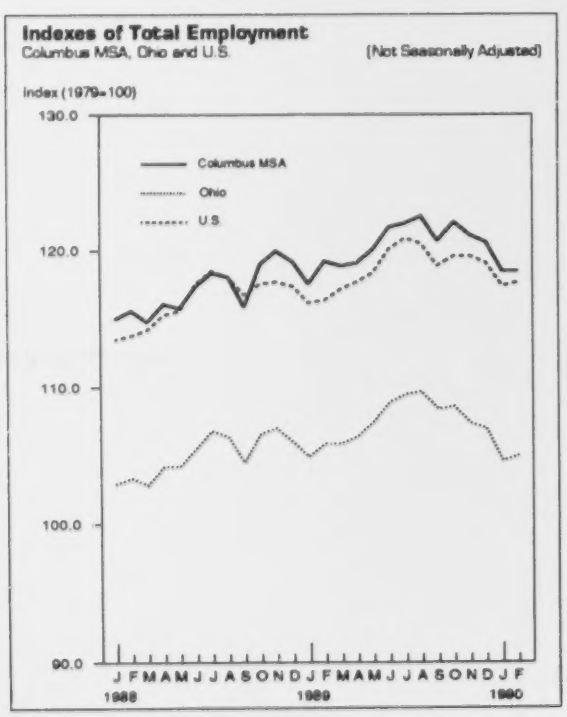
COLUMBUS METROPOLITAN STATISTICAL AREA

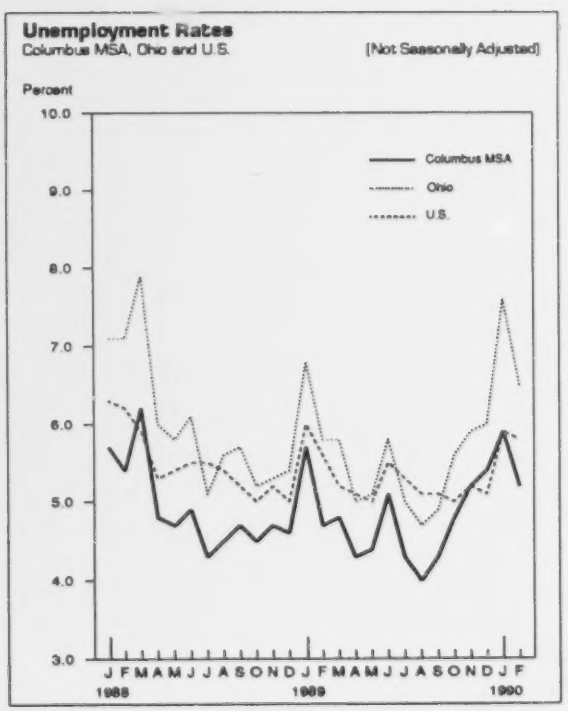


Total nonfarm payroll employment in the Columbus metropolitan area rose 6,700 above the February level to 708,500 in March 1990. Employment in service-producing industries increased 5,700 primarily due to more business in services and retail trade. Seasonal hirings in construction raised employment in goods-producing industries 1,000 over the month to 131,800. Manufacturing production workers averaged $12.39 per hour, up fractionally from February. Their average workweek was 0.2 hours shorter at 41.9 hours.

Nonagricultural wage and salary employment advanced 15,700 between March 1989 and March 1990. The growth was concentrated in the service-producing sector. A major portion of the improvement was attributed to expansion in services, especially business and health services, and in retail trade. A decrease in construction lowered employment in goods-producing industries 200 during the period.

Seasonally adjusted employment in the Columbus area totaled 716,000 in March 1990, up 4,000 from February. Slight increases occurred in transportation and public utilities, wholesale trade, retail trade, and services. Since March 1989, total payroll employment rose 15,000. Leading growth areas were services (+7,000) and retail trade (+5,000).





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
721.0	686.5	34.5	4.8	March	692.8	104.0	68.5	493.79	41.6	11.87
718.8	687.8	30.9	4.3	April	695.7	103.7	68.3	492.25	41.4	11.89
725.7	693.6	32.1	4.4	May	701.6	104.4	68.9	493.90	41.4	11.93
740.4	703.0	37.4	5.1	June	706.7	105.0	69.3	493.54	41.3	11.95
735.9	704.4	31.5	4.3	July	699.0	105.1	69.4	496.84	41.3	12.03
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
721.3	684.1	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
INA	INA	INA	INA	March	708.5	104.1	69.7	519.14	41.9	12.39

INA – information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
701	136	31	105	March	565	31	37	143	60	169	124
697	135	29	104	April	563	31	37	142	59	169	124
699	135	29	105	May	564	31	37	143	60	170	125
700	135	29	105	June	565	31	37	143	60	170	124
703	135	29	105	July	568	31	37	144	60	171	126
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
716	136	30	105	March	580	32	38	148	61	176	126

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	708.5	701.8	692.8	6.7	15.7
Goods-Producing Industries[e]	131.8	130.8	132.0	1.0	-.2
Construction	26.9	25.8	27.2	1.1	-.3
Manufacturing	104.1	104.2	104.0	-.1	.1
Durable Goods[f]	65.5	65.6	65.5	-.1	.0
Stone, Clay, and Glass Products	9.9	9.8	9.9	.1	.0
Glass and Glassware, Pressed or Blown	3.6	3.6	3.5	.0	.1
Fabricated Metal Products	9.9	9.9	9.8	.0	.1
Industrial Machinery and Equipment	9.6	9.6	9.9	.0	-.3
Electronic and Other Electric Equipment	9.0	9.0	9.3	.0	-.2
Transportation Equipment	14.0	14.1	13.6	-.1	.4
Motor Vehicles and Equipment	13.3	13.4	12.8	-.1	.5
Instruments and Related Products	4.8	4.8	4.6	-.1	.1
Nondurable Goods[g]	38.6	38.6	38.5	.0	.0
Food and Kindred Products	10.7	10.6	10.5	.1	.2
Dairy Products	4.1	4.0	3.9	.0	.2
Printing and Publishing	10.8	11.0	10.7	-.1	.1
Chemicals and Allied Products	6.9	6.9	6.8	.0	.0
Rubber and Miscellaneous Plastics Products	6.1	6.0	5.9	.1	.2
Service-Producing Industries	576.7	571.0	560.9	5.7	15.9
Transportation and Public Utilities	31.0	30.8	30.1	.2	.8
Transportation	18.6	18.4	17.9	.2	.7
Trucking and Warehousing	13.1	13.0	12.4	.1	.7
Communications, Electric, Gas Services	12.4	12.4	12.2	.0	.1
Communications	7.8	7.8	7.7	.0	.1
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	37.4	37.1	36.8	.3	.6
Wholesale Trade-Durable Goods	24.3	24.2	23.8	.2	.5
Motor Vehicles, Parts, and Supplies	3.1	3.1	3.2	.0	.0
Machinery, Equipment, and Supplies	5.6	5.5	5.3	.1	.3
Wholesale Trade-Nondurable Goods	13.1	13.0	13.0	.1	.1
Retail Trade	144.7	143.0	139.9	1.7	4.8
General Merchandise Stores	20.8	20.7	20.4	.0	.4
Food Stores	17.0	16.9	16.3	.1	.7
Automotive Dealers and Service Stations	14.4	14.2	13.8	.2	.6
Finance, Insurance, and Real Estate	60.4	60.1	59.6	.3	.8
Finance	23.8	23.6	23.4	.2	.4
Depository Institutions	14.4	14.2	14.3	.2	.1
Commercial Banks	12.1	11.9	11.8	.2	.3
Insurance	27.9	27.8	27.6	.1	.3
Insurance Carriers	23.9	23.9	23.5	.0	.4
Services	174.5	172.2	167.6	2.4	7.0
Business Services	36.7	36.0	34.5	.7	2.2
Personnel Supply Services	13.1	12.5	11.6	.6	1.5
Health Services	45.9	45.5	43.7	.3	2.2
Nursing and Personal Care Facilities	8.2	8.2	7.9	.0	.3
Hospitals	21.4	21.2	20.2	.1	1.1
Legal Services	4.5	4.5	4.4	.1	.2
Educational Services	8.4	8.4	8.0	.0	.4
Social Services	12.7	12.6	12.2	.1	.5
Engineering and Management Services	17.9	17.9	17.8	.1	.2
Engineering and Architectural Services	4.5	4.5	4.4	.0	.1
Accounting, Auditing, and Bookkeeping	4.2	4.1	4.2	.0	-.1
Research and Testing Services	6.2	6.2	6.1	.0	.1
Government	128.8	127.9	126.9	.9	1.8
Federal Government	16.0	15.9	15.8	.1	.3
State Government	56.6	56.3	55.7	.3	.9
State Government Education[h]	23.9	23.7	24.0	.2	-.1
Local Government	56.2	55.7	55.5	.5	.7
Local Government Education	34.4	34.0	34.0	.5	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

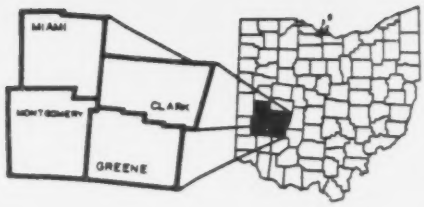
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$519.14	$520.36	$493.79	41.9	42.1	41.6	$12.39	$12.36	$11.87
Durable Goods[f]	540.60	537.63	507.41	42.5	42.4	41.9	12.72	12.68	12.11
Stone, Clay, and Glass Products	506.18	509.22	509.64	42.5	42.4	43.3	11.91	12.01	11.77
Glass and Glassware, Pressed or Blown	460.82	465.04	449.77	42.2	42.2	41.8	10.92	11.02	10.76
Fabricated Metal Products	537.21	517.45	496.09	42.4	41.1	40.3	12.67	12.59	12.31
Industrial Machinery and Equipment	499.09	507.36	457.20	41.8	42.0	40.0	11.94	12.08	11.43
Electronic and Other Electric Equipment	507.31	519.09	461.44	42.1	42.9	40.3	12.05	12.10	11.45
Transportation Equipment	694.01	674.19	626.66	45.9	45.4	43.7	15.12	14.85	14.34
Motor Vehicles and Equipment	695.84	677.50	634.09	45.9	45.5	43.7	15.16	14.89	14.51
Instruments and Related Products	411.06	403.52	432.07	39.0	38.8	40.8	10.54	10.40	10.59
Nondurable Goods[g]	477.77	485.97	463.49	40.8	41.5	40.8	11.71	11.71	11.36
Food and Kindred Products	418.54	423.72	419.42	40.4	40.9	41.9	10.36	10.36	10.01
Dairy Products	605.44	630.85	519.38	44.0	44.9	40.2	13.76	14.05	12.92
Printing and Publishing	545.61	542.49	526.13	39.0	39.0	38.8	13.99	13.91	13.56
Chemicals and Allied Products	638.78	634.30	608.45	42.9	42.8	43.0	14.89	14.82	14.15
Rubber and Miscellaneous Plastics Products	400.10	412.46	356.66	42.7	43.6	40.3	9.37	9.46	8.85
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	450.84	450.92	386.83	34.6	34.5	30.3	13.03	13.07	12.76
Communications, Electric, Gas Services	659.68	660.11	572.46	43.4	43.4	40.6	15.20	15.21	14.10
Communications	574.77	576.24	546.08	39.1	39.2	39.4	14.70	14.70	13.86
Electric, Gas, and Sanitary Services	804.61	806.70	615.40	50.7	50.8	42.5	15.87	15.88	14.48
Wholesale Trade	400.02	400.67	387.73	38.5	38.6	38.2	10.39	10.38	10.15
Retail Trade[i]	183.43	180.61	182.90	27.5	27.2	28.4	6.67	6.64	6.44
General Merchandise Stores	212.43	204.33	192.55	29.3	28.3	28.4	7.25	7.22	6.78
Food Stores	186.56	185.33	181.73	26.5	26.4	26.3	7.04	7.02	6.91
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	447.38	447.14	411.50	....	....	....	.....	.....	.....
Depository Institutions	293.27	291.92	271.99	....	....	....	.....	.....	.....
Commercial Banks	291.13	292.42	272.30	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	231.52	227.52	209.62	32.2	32.0	32.2	7.19	7.11	6.51
Hospitals	400.62	401.65	361.60	34.3	34.3	33.7	11.68	11.71	10.73
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	494.91	485.69	481.96	39.0	38.7	39.7	12.69	12.55	12.14

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

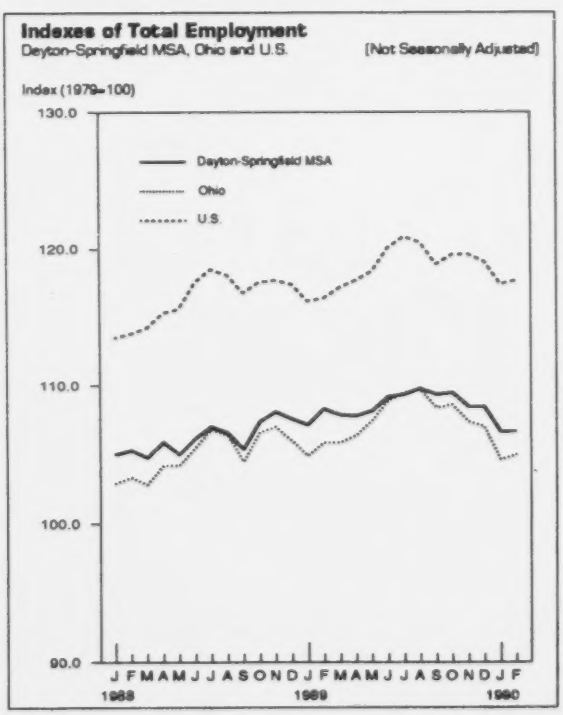
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA

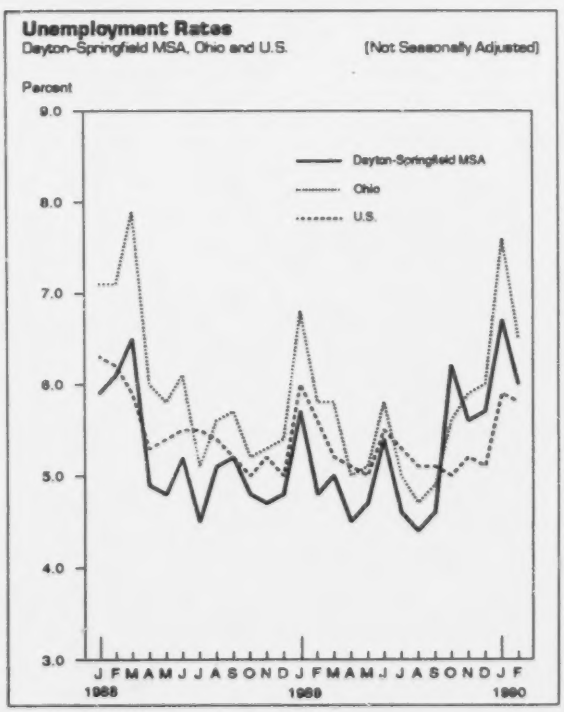


In the Dayton-Springfield metropolitan area, nonfarm payroll employment rose 4,600 above the February level to 451,800 in March 1990. Moderate gains in services and retail trade helped raise employment in service-producing industries 2,800. Improvements in manufacturing due to the recall of workers in transportation equipment, industrial machinery and equipment, and rubber and miscellaneous plastics products and more business in construction increased employment in goods-producing industries 1,800 over the month to 120,800. Factory production workers averaged $13.20 per hour, up 13 cents from February. Their average workweek was unchanged at 41.7 hours.

Nonagricultural wage and salary employment advanced 7,600 between March 1989 and March 1990. Expansion in services, local government, and retail trade increased employment 9,400 in the service-producing sector. Employment in goods-producing industries declined 1,700 primarily due to over-the-year losses in manufacturing. Reduced production in industrial machinery and equipment, rubber and miscellaneous plastics products, and electronic and other electric equipment overshadowed modest growth in transportation equipment.

Seasonally adjusted employment in the Dayton-Springfield area totaled 457,000 in March 1990, up 3,000 from February. Increases were recorded in manufacturing, retail trade, and services. Since March 1989, total payroll employment advanced 8,000. The growth was concentrated in service-producing industries, especially services, government, and retail trade.





Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
475.1	451.2	23.9	5.0	March	444.2	105.6	68.1	565.07	43.3	13.05
471.9	450.8	21.1	4.5	April	446.8	104.7	67.5	556.85	43.1	12.92
474.3	452.1	22.1	4.7	May	448.3	104.8	67.4	555.56	43.0	12.92
482.6	456.3	26.3	5.4	June	449.6	105.6	67.9	555.56	43.1	12.89
479.7	457.5	22.2	4.6	July	444.9	104.5	66.3	539.33	42.3	12.75
480.0	459.0	21.0	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
474.5	446.1	28.5	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
INA	INA	INA	INA	March	451.8	104.2	67.3	550.44	41.7	13.20

INA – information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
449	126	19	106	March	324	17	21	80	18	113	74
447	123	18	105	April	324	17	21	79	18	113	76
447	123	18	105	May	324	17	21	79	18	114	76
447	123	17	105	June	325	17	21	80	18	114	76
448	122	17	104	July	326	17	21	80	18	114	76
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	77

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	451.8	447.1	444.2	4.6	7.6
Goods-Producing Industries[e]	120.8	119.0	122.5	1.8	-1.7
Construction	16.2	15.3	16.5	.8	-.3
Manufacturing	104.2	103.3	105.6	.9	-1.4
Durable Goods[f]	74.6	74.0	75.7	.6	-1.1
Fabricated Metal Products	8.4	8.5	8.6	.0	-.1
Industrial Machinery and Equipment	31.0	30.9	32.4	.2	-1.3
Metalworking Machinery	8.3	8.3	8.5	.0	-.2
General Industrial Machinery	2.9	2.9	3.0	-.1	-.1
Electronic and Other Electric Equipment	3.9	3.8	4.4	.1	-.5
Transportation Equipment	22.4	22.1	21.4	.3	.9
Motor Vehicles and Equipment	19.2	18.9	18.3	.3	.9
Nondurable Goods[g]	29.6	29.3	29.8	.3	-.2
Food and Kindred Products	2.5	2.5	2.7	.0	-.2
Paper and Allied Products	6.0	6.0	6.0	.0	.0
Printing and Publishing	9.2	9.2	9.0	.0	.3
Rubber and Miscellaneous Plastics Products	7.8	7.6	8.4	.2	-.7
Service-Producing Industries	331.0	328.2	321.6	2.8	9.4
Transportation and Public Utilities	18.0	17.9	17.2	.1	.9
Transportation	11.7	11.6	11.1	.1	.6
Trucking and Warehousing	6.5	6.5	6.0	.1	.6
Communications, Electric, Gas Services	6.3	6.3	6.1	.0	.3
Communications	3.5	3.5	3.4	.0	.1
Wholesale Trade	21.3	21.1	20.6	.2	.7
Wholesale Trade-Durable Goods	14.9	14.8	14.4	.1	.5
Wholesale Trade-Nondurable Goods	6.3	6.3	6.2	.0	.2
Retail Trade	79.4	78.6	78.2	.9	1.2
General Merchandise Stores	11.2	11.2	11.2	.0	.0
Finance, Insurance, and Real Estate	17.6	17.7	17.7	-.1	-.1
Finance	9.6	9.6	9.9	.0	-.3
Depository Institutions	7.3	7.3	7.5	-.1	-.2
Insurance	4.4	4.5	4.3	-.1	.2
Services	116.0	114.8	112.4	1.2	3.6
Business Services	22.0	21.8	21.1	.2	1.0
Personnel Supply Services	5.7	5.6	5.7	.1	-.1
Computer and Data Processing Services	5.3	5.2	4.7	.1	.6
Health Services	39.0	38.7	37.4	.2	1.5
Nursing and Personal Care Facilities	7.0	7.1	7.0	.0	.0
Hospitals	20.0	19.9	19.0	.2	1.0
Educational Services	9.2	9.2	9.2	.0	.0
Social Services	5.9	5.8	5.9	.1	.0
Engineering and Management Services	9.9	9.8	10.0	.1	.0
Research and Testing Services	3.4	3.3	3.2	.0	.1
Government	78.6	78.2	75.6	.5	3.0
Federal Government	28.8	28.8	28.0	-.1	.8
State Government	7.3	7.1	7.3	.3	.0
State Government Education[h]	4.5	4.2	4.5	.3	.0
Local Government	42.5	42.2	40.4	.3	2.1
Local Government Education	27.3	27.0	25.7	.2	1.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

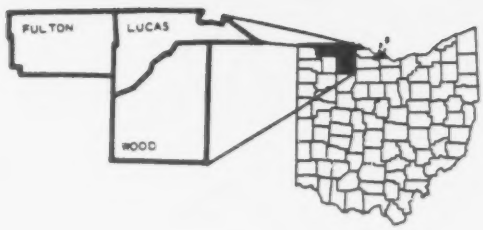
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$550.44	$545.02	$565.07	41.7	41.7	43.3	$13.20	$13.07	$13.05
Durable Goods[f]	571.72	567.17	580.34	42.1	42.2	43.7	13.58	13.44	13.28
Fabricated Metal Products	399.96	410.52	399.07	40.4	41.3	41.7	9.90	9.94	9.57
Industrial Machinery and Equipment	584.05	584.38	621.03	42.2	42.5	45.1	13.84	13.75	13.77
Metalworking Machinery	562.02	580.21	606.52	43.5	44.7	47.2	12.92	12.98	12.85
General Industrial Machinery	538.65	495.36	506.33	45.0	43.0	43.8	11.97	11.52	11.56
Electronic and Other Electric Equipment	375.36	376.94	361.79	41.8	42.4	41.3	8.98	8.89	8.76
Transportation Equipment	715.14	701.56	729.62	42.9	42.7	44.3	16.67	16.43	16.47
Motor Vehicles and Equipment	726.30	709.29	739.81	42.9	42.6	44.3	16.93	16.65	16.70
Nondurable Goods[g]	485.61	479.99	521.17	40.4	40.2	42.2	12.02	11.94	12.35
Food and Kindred Products	338.14	333.38	380.37	38.6	38.1	41.3	8.76	8.75	9.21
Paper and Allied Products	493.81	474.99	509.63	43.7	42.6	45.3	11.30	11.15	11.25
Printing and Publishing	468.00	458.99	470.61	40.0	39.5	40.5	11.70	11.62	11.62
Rubber and Miscellaneous Plastics Products	602.14	598.69	681.85	38.5	38.6	41.5	15.64	15.51	16.43
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	557.75	562.31	537.02	40.3	40.6	39.4	13.84	13.85	13.63
Communications	547.01	554.19	537.42	39.1	39.5	39.4	13.99	14.03	13.64
Wholesale Trade	396.40	395.00	397.94	39.6	39.5	39.4	10.01	10.00	10.10
Retail Trade[i]	173.71	169.91	164.39	28.2	27.9	28.1	6.16	6.09	5.85
General Merchandise Stores	183.21	176.20	169.91	28.1	26.9	27.9	6.52	6.55	6.09
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	276.48	273.68	257.86	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	403.17	405.23	367.43	34.4	34.4	34.5	11.72	11.78	10.65

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

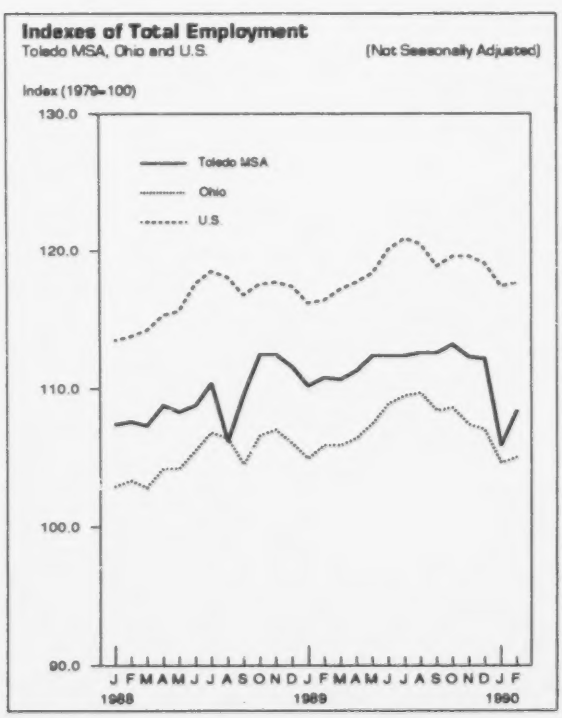
TOLEDO
METROPOLITAN STATISTICAL AREA

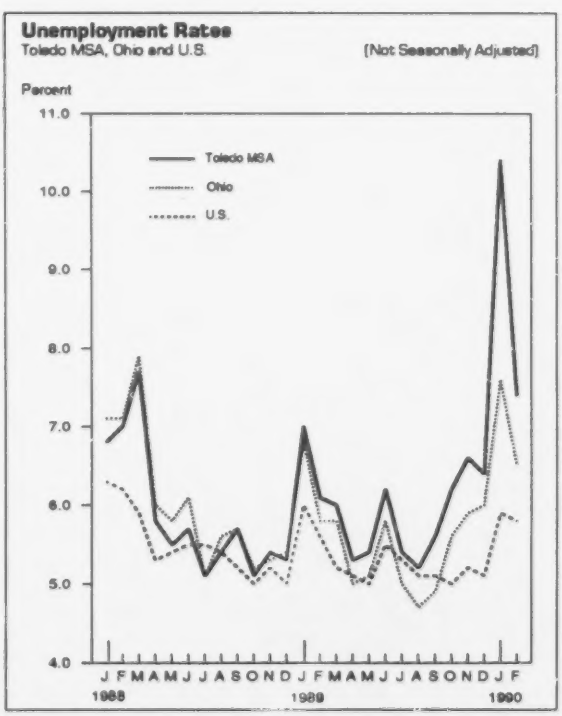


Nonagricultural payroll employment in the Toledo metropolitan area rose 2,400 above the February level to 292,300 in March 1990. The number of employees in service-producing industries increased 2,300 primarily due to more business in services and retail trade. Employment in goods-producing industries totaled 69,800, up 100 over the month. A seasonal gain in construction more than offset declines in durable-goods manufacturing, especially transportation equipment. Factory production workers averaged $13.54 per hour, 35 cents higher than February. Their average workweek of 43.8 hours was 2.0 hours longer.

Nonfarm wage and salary employment advanced 1,600 between March 1989 and March 1990. Service-producing industries gained 5,300 workers. Leading growth sectors were services (+2,200) and retail trade (+1,800). Reduced production in manufacturing, especially in transportation equipment, lowered employment in goods-producing industries 3,700 over the year. Noteworthy declines were also recorded in industrial machinery and equipment, stone, clay, and glass products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Toledo area increased 1,000 from February to 296,000 in March 1990 due to modest gains in service-producing industries. Since March 1989, total payroll employment rose 2,000. Growth in retail trade and services offset a reduction in manufacturing.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
314.6	295.8	18.7	6.0	March	290.7	62.7	44.8	596.30	44.5	13.40
314.1	297.5	16.6	5.3	April	293.0	62.6	44.7	563.73	43.0	13.11
317.4	300.3	17.2	5.4	May	295.8	62.5	44.7	584.76	44.0	13.29
320.2	300.4	19.8	6.2	June	294.0	62.1	44.4	571.54	43.2	13.23
317.3	300.2	17.1	5.4	July	289.8	61.2	43.5	566.24	42.8	13.23
317.4	301.0	16.4	5.2	August	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
312.7	289.7	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
INA	INA	INA	INA	March	292.3	58.9	42.0	593.05	43.8	13.54

INA – information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
294	75	12	63	March	219	14	16	58	12	75	43
293	75	12	63	April	218	14	16	58	12	75	43
294	75	12	63	May	219	14	16	59	12	75	43
294	74	12	62	June	220	14	16	58	12	76	43
293	74	12	62	July	219	14	16	59	12	76	42
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	[illegible] 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	292.3	289.9	290.7	2.4	1.6
Goods-Producing Industries[e]	69.8	69.6	73.4	.1	-3.7
Construction	10.7	10.2	10.6	.5	.2
Manufacturing	58.9	59.2	62.7	-.4	-3.8
Durable Goods[f]	43.7	44.1	47.2	-.4	-3.4
Stone, Clay, and Glass Products	7.7	7.7	8.1	.0	-.4
Primary Metal Industries	3.5	3.5	3.6	.0	-.1
Fabricated Metal Products	6.9	6.9	7.2	.1	-.3
Metal Forgings and Stampings	2.6	2.6	2.9	.0	-.4
Industrial Machinery and Equipment	5.7	5.7	6.4	-.1	-.7
Transportation Equipment	13.4	13.8	15.3	-.4	-1.9
Nondurable Goods[g]	15.2	15.1	15.5	.0	-.4
Food and Kindred Products	3.8	3.8	3.7	.0	.0
Rubber and Miscellaneous Plastics Products	4.0	3.9	4.3	.0	-.4
Service-Producing Industries	222.6	220.3	217.3	2.3	5.3
Transportation and Public Utilities	14.2	14.1	13.7	.1	.6
Transportation	9.4	9.3	8.9	.1	.5
Communications, Electric, Gas Services	4.9	4.9	4.8	.0	.1
Wholesale Trade	16.0	15.8	15.5	.1	.5
Wholesale Trade-Durable Goods	10.6	10.5	10.4	.1	.2
Wholesale Trade-Nondurable Goods	5.4	5.3	5.1	.0	.2
Retail Trade	58.4	57.6	56.6	.7	1.8
General Merchandise Stores	7.9	7.9	8.1	.0	-.2
Finance, Insurance, and Real Estate	11.9	11.9	12.0	.0	-.1
Finance	6.3	6.3	6.4	.0	-.1
Insurance	3.7	3.7	3.7	.0	.0
Services	76.3	75.3	74.2	1.0	2.2
Business Services	13.2	13.1	12.8	.1	.4
Personnel Supply Services	4.9	4.8	4.5	.0	.3
Health Services	27.5	27.5	27.4	.1	.1
Nursing and Personal Care Facilities	4.1	4.1	4.1	.0	.0
Hospitals	15.0	15.1	15.1	.0	.0
Engineering and Management Services	6.2	6.1	5.9	.1	.3
Government	45.7	45.4	45.3	.3	.4
Federal Government	2.6	2.6	2.6	.0	.0
State Government	17.8	17.4	17.2	.3	.6
State Government Education[h]	13.4	13.2	13.0	.2	.4
Local Government	25.3	25.3	25.5	.0	-.2
Local Government Education	15.0	15.1	15.2	.0	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

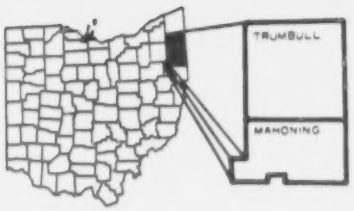
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$593.05	$551.34	$596.30	43.8	41.8	44.5	$13.54	$13.19	$13.40
Durable Goods[f]	615.44	560.70	621.97	44.5	42.0	45.3	13.83	13.35	13.73
Stone, Clay, and Glass Products	506.82	485.48	485.35	42.2	40.9	42.5	12.01	11.87	11.42
Primary Metal Industries	498.82	459.50	507.27	43.3	40.7	45.7	11.52	11.29	11.10
Fabricated Metal Products	558.93	485.62	526.22	46.5	41.4	45.6	12.02	11.73	11.54
Metal Forgings and Stampings	723.57	632.81	664.77	44.5	40.8	44.2	16.26	15.51	15.04
Industrial Machinery and Equipment	511.37	498.50	512.56	43.3	42.9	43.0	11.81	11.62	11.92
Transportation Equipment	806.66	708.93	823.17	45.6	42.4	47.2	17.69	16.72	17.44
Nondurable Goods[g]	521.24	520.77	505.40	41.5	41.2	41.7	12.56	12.64	12.12
Food and Kindred Products	600.06	611.59	537.37	42.8	43.1	41.4	14.02	14.19	12.98
Rubber and Miscellaneous Plastics Products	370.05	350.64	358.11	41.3	39.8	41.4	8.96	8.81	8.65
Transportation and Public Utilities	.....	.....	.....	....	....	....	....	.....	.....
Communications, Electric, Gas Services	725.35	733.38	584.01	44.5	44.8	40.5	16.30	16.37	14.42
Wholesale Trade	421.61	413.03	395.00	40.5	40.1	39.5	10.41	10.30	10.00
Retail Trade[i]	164.77	163.08	157.99	27.1	27.0	27.1	6.08	6.04	5.83
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	361.08	373.99	337.84	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

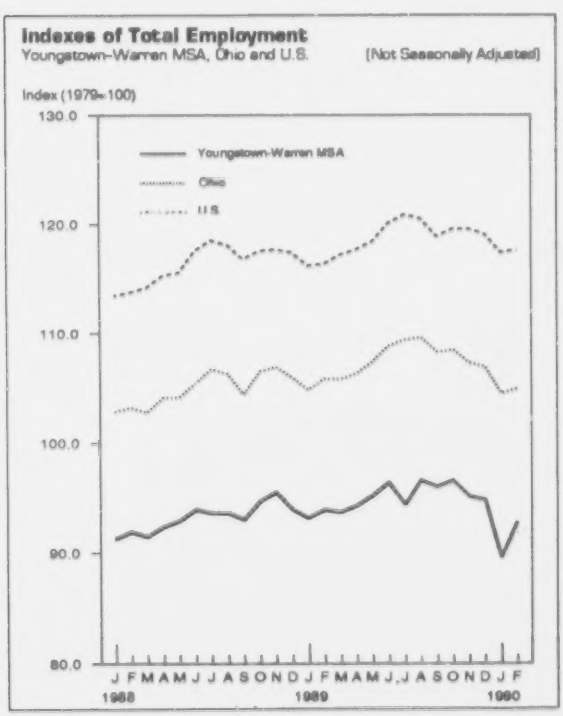
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA

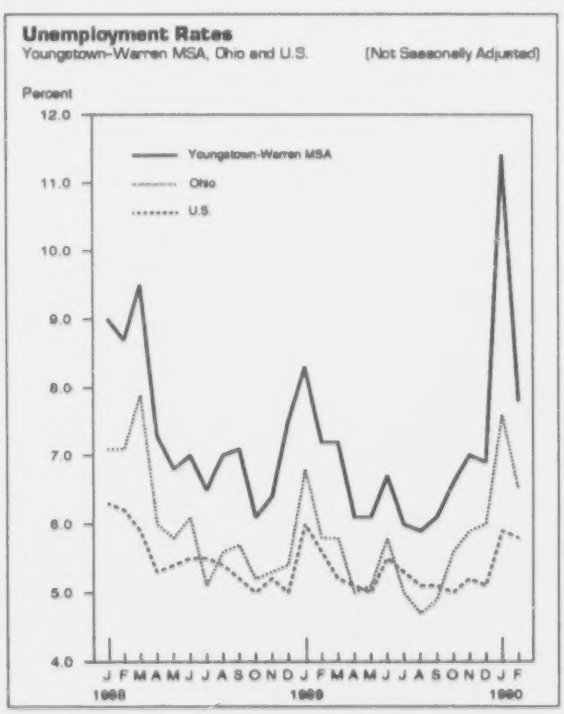


Total nonfarm payroll employment in the Youngstown-Warren metropolitan area, at 198,300 in March 1990, was 2,100 higher than February. More business in services and retail trade and an increase in nonteaching personnel in local schools helped raise employment in service-producing industries 1,500. The number of workers in goods-producing industries rose 600 over the month to 56,400. Modest gains occurred in construction and manufacturing, especially primary metal industries. Factory production workers averaged $14.25 per hour, up 13 cents from February. Their average workweek of 42.1 hours was 0.2 hours longer.

Nonagricultural wage and salary employment advanced 2,700 between March 1989 and March 1990. The improvement was concentrated in the service-producing sector. Leading growth industries were retail trade, services, and wholesale trade. A reduction in the manufacturing workforce resulted in the loss of 1,400 jobs in goods-producing industries. Noteworthy declines were recorded in primary metal industries, fabricated metal products, and transportation equipment.

Seasonally adjusted employment in the Youngstown-Warren area was unchanged from February at 201,000 in March 1990. Since March 1989, total payroll employment rose 3,000. Modest growth in wholesale trade, retail trade, and services more than offset a decline in manufacturing.





Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
222.0	206.1	15.9	7.2	March	195.6	50.8	38.7	595.55	43.0	13.85
220.8	207.3	13.5	6.1	April	197.0	50.7	38.7	589.48	42.5	13.87
222.9	209.3	13.5	6.1	May	199.2	50.7	38.6	603.60	43.3	13.94
227.1	211.9	15.2	6.7	June	200.4	50.8	38.7	598.53	42.6	14.05
220.9	207.6	13.4	6.0	July	193.6	45.7	33.4	581.28	42.0	13.84
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.4	204.0	17.4	7.8	February	196.2	49.2	36.9	591.63	41.9	14.12
INA	INA	INA	INA	March	198.3	49.4	37.2	599.93	42.1	14.25

INA – information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
198	59	8	51	March	139	8	11	42	9	46	24
198	59	8	51	April	139	8	11	42	9	46	24
197	59	8	51	May	139	8	11	42	9	46	24
198	58	8	50	June	139	8	11	42	9	46	24
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	50	March	143	8	12	43	9	47	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	198.3	196.2	195.6	2.1	2.7
Goods-Producing Industries[e]	56.4	55.9	57.8	.6	-1.4
Construction	6.6	6.3	6.6	.3	.0
Manufacturing	49.4	49.2	50.8	.2	-1.4
Durable Goods[f]	44.1	44.0	45.7	.1	-1.5
Primary Metal Industries	18.3	18.0	18.8	.3	-.5
Blast Furnace and Basic Steel Products	6.0	6.0	5.7	.0	.2
Fabricated Metal Products	7.2	7.3	7.6	-.1	-.4
Metal Forgings and Stampings	3.9	3.8	4.0	.0	-.1
Industrial Machinery and Equipment	4.2	4.3	4.3	.0	.0
Transportation Equipment	9.2	9.3	9.4	-.1	-.3
Nondurable Goods[g]	5.3	5.1	5.2	.1	.1
Service-Producing Industries	141.9	140.4	137.8	1.5	4.1
Transportation and Public Utilities	7.6	7.6	7.6	.0	.1
Wholesale Trade	11.6	11.5	10.7	.1	.9
Wholesale Trade-Durable Goods	7.2	7.1	6.8	.1	.4
Wholesale Trade-Nondurable Goods	4.4	4.4	3.9	.0	.5
Retail Trade	41.7	41.3	40.4	.4	1.3
General Merchandise Stores	5.1	5.1	5.2	.0	-.1
Finance, Insurance, and Real Estate	8.7	8.7	8.4	.0	.3
Finance	4.8	4.8	4.6	.0	.1
Services	46.7	46.2	45.4	.5	1.3
Health Services	21.1	21.0	20.6	.1	.5
Nursing and Personal Care Facilities	4.8	4.8	4.6	.0	.2
Hospitals	10.7	10.6	10.6	.0	.1
Government	25.5	25.1	25.2	.4	.2
State Government	4.5	4.4	4.7	.1	-.1
State Government Education[h]	3.0	2.9	3.2	.0	-.2
Local Government	18.9	18.6	18.5	.3	.3
Local Government Education	12.4	12.2	12.2	.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$599.93	$591.63	$595.55	42.1	41.9	43.0	$14.25	$14.12	$13.85
Durable Goods[f]	616.54	606.48	614.98	42.2	42.0	43.4	14.61	14.44	14.17
Primary Metal Industries	652.38	641.29	624.46	41.5	41.4	41.3	15.72	15.49	15.12
Blast Furnace and Basic Steel Products	676.17	672.95	570.47	46.6	46.7	42.7	14.51	14.41	13.36
Fabricated Metal Products	595.55	582.77	606.60	43.0	42.6	45.1	13.85	13.68	13.45
Metal Forgings and Stampings	702.33	689.61	724.74	43.3	42.7	47.0	16.22	16.15	15.42
Industrial Machinery and Equipment	520.38	539.57	497.20	42.0	43.2	42.1	12.39	12.49	11.81
Transportation Equipment	692.74	678.78	740.16	43.9	43.4	48.0	15.78	15.64	15.42
Nondurable Goods[g]	419.02	428.45	388.78	41.0	41.0	38.8	10.22	10.45	10.02
Wholesale Trade	384.68	385.67	372.45	38.7	38.8	39.0	9.94	9.94	9.55
Retail Trade[i]	176.42	177.51	178.46	27.1	27.1	28.6	6.51	6.55	6.24
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	224.02	227.34	218.40	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton-Middletown PMSA
Nonagricultural payroll employment in the Hamilton-Middletown metropolitan area rose 500 above the February level to 95,100 in March 1990. Improvements in service-producing industries, especially in retail trade, contributed most to the change. Employment in the goods-producing sector dropped 100 over the month to 26,900. Declines in durable-goods manufacturing primarily due to a temporary shutdown in primary metal industries negated marginal growth in construction and mining. Factory production workers averaged $13.50 per hour, up 15 cents from February. Their average workweek of 44.2 hours was 0.4 hours longer. Nonfarm wage and salary employment advanced 500 between March 1989 and March 1990. Expansion in services raised service-producing industries 900. Goods-producing industries decreased 400 over the year as reductions in manufacturing, particularly paper and allied products, overshadowed improvements in construction and mining.

Lima MSA
In the Lima metropolitan area, nonfarm wage and salary employment totaled 72,600 in March 1990, up 300 from February. More business in retail trade and services raised employment in service-producing industries 500. The number of workers in goods-producing industries declined 200 to 26,000. Reduced production in manufacturing, especially transportation equipment, outweighed slight increases in construction and mining. Factory production workers averaged $13.22 per hour, little changed from February. Their average workweek was 0.2 hours shorter at 42.2 hours. Nonagricultural payroll employment advanced 1,600 between March 1989 and March 1990. Service-producing industries added 1,000 jobs primarily due to growth in retail trade. Scattered gains in manufacturing increased goods-producing industries 600 above the year-ago level. Improvements in industrial machinery and equipment and fabricated metal products more than offset a decline in transportation equipment.

Lorain-Elyria PMSA
Nonfarm wage and salary employment in the Lorain-Elyria metropolitan area rose 800 above the February level to 91,800 in March 1990. Employment in service-producing industries increased 500 due to marginal gains in services, retail trade, and government. Seasonal increases in construction and mining helped raise employment in goods-producing industries 300 over the month to 31,800. Manufacturing production workers averaged $13.42 per hour, up 14 cents from February. Their average workweek was 0.4 hours longer at 42.9 hours. Nonagricultural payroll employment declined 100 between March 1989 and March 1990. Reductions in durable-goods manufacturing, especially transportation equipment and primary metal industries, lowered goods-producing industries 700. The number of jobs in the service-producing sector increased 600 during the period. Noteworthy improvements occurred in transportation and public utilities and in retail trade.

Mansfield MSA
Nonagricultural payroll employment in the Mansfield metropolitan area totaled 59,600 in March 1990, up 500 from February. More business in retail trade and services created 400 jobs in the service-producing sector. Employment in goods-producing industries was unchanged over the month at 20,700. Manufacturing production workers averaged $13.00 per hour, up fractionally from February. Their average workweek of 40.5 hours was 0.3 hours longer. Nonfarm wage and salary employment declined 100 between March 1989 and March 1990. The number of workers in goods-producing industries dropped 300 due to reductions in durable-goods manufacturing, particularly fabricated metal products. Employment in service-producing industries increased 200 over the year. Modest expansion in retail trade overshadowed a decrease in services.

Steubenville-Weirton MSA
In the Steubenville-Weirton metropolitan area, nonfarm wage and salary employment rose 700 above the February level to 52,700 in March 1990. Seasonal hirings in construction raised employment in goods-producing industries 400 to 20,200. The number of jobs in the service-producing sector increased 300 chiefly due to more business in services. Manufacturing production workers averaged $11.75 per hour, down fractionally from February. Their average workweek of 42.4 hours was 0.3 hours longer. Nonagricultural payroll employment advanced 1,800 between March 1989 and March 1990. Service-producing industries added 1,400 employees due to expansion in retail trade and services. Growth in construction raised employment in goods-producing industries 500 over the year.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	129.9	131.1	131.8	-1.2	-1.9
Employment	121.1	121.6	123.7	-.5	-2.6
Unemployment	8.8	9.5	8.1	-.7	.7
Unemployment Rate	6.8	7.3	6.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	95.1	94.7	94.6	.5	.5
Goods–Producing Industries	26.9	26.9	27.3	-.1	-.4
Construction and Mining	5.3	5.0	5.0	.3	.3
Manufacturing	21.6	22.0	22.3	-.4	-.7
Durable Goods	15.0	15.2	15.3	-.3	-.3
Primary Metal Industries	6.8	7.1	6.7	-.3	.1
Fabricated Metal Products	2.4	2.4	2.5	.0	.0
Industrial Machinery and Equipment	2.5	2.5	2.4	.0	.1
Nondurable Goods	6.6	6.8	7.0	-.1	-.4
Paper and Allied Products	4.7	4.8	5.1	-.1	-.4
Paper Mills	3.5	3.5	3.8	-.1	-.3
Service–Producing Industries	68.3	67.7	67.3	.5	.9
Transportation and Public Utilities	3.4	3.4	3.4	.0	.0
Wholesale Trade	5.6	5.6	5.7	.0	-.2
Wholesale Trade–Durable Goods	3.8	3.8	4.0	.0	-.2
Retail Trade	17.4	17.1	17.5	.3	-.2
Food Stores	2.9	2.9	3.1	.0	-.2
Finance, Insurance, and Real Estate	4.7	4.6	4.8	.1	-.1
Services	19.1	19.0	18.0	.1	1.1
Health Services	8.3	8.3	7.9	.0	.4
Government	18.1	18.0	17.9	.1	.2
State Government	7.8	7.7	7.6	.0	.1
Local Government	9.7	9.7	9.7	.0	.0
Local Government Education	6.4	6.4	6.4	.0	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$596.70	$584.73	$621.03	44.2	43.8	45.9	$13.50	$13.35	$13.53
Durable Goods	614.99	596.12	643.56	44.5	43.8	46.5	13.82	13.61	13.84
Primary Metal Industries	684.17	648.71	754.45	45.1	44.1	49.7	15.17	14.71	15.18
Fabricated Metal Products	544.80	511.21	537.43	43.9	41.8	41.5	12.41	12.23	12.95
Industrial Machinery and Equipment	617.24	624.96	652.19	47.7	48.0	49.9	12.94	13.02	13.07
Nondurable Goods	551.54	554.12	583.05	43.6	43.7	44.3	12.65	12.68	12.71
Paper and Allied Products	586.64	567.57	602.53	45.3	44.1	46.1	12.95	12.87	13.07
Paper Mills	586.46	574.65	626.58	44.7	43.9	46.9	13.12	13.09	13.36
Wholesale Trade	450.71	456.67	407.95	42.6	42.6	41.0	10.58	10.72	9.95
Retail Trade[f]	169.30	169.68	162.25	27.8	27.5	27.5	6.09	6.17	5.90

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	76.8	78.2	76.1	-1.4	.7
Employment	71.4	71.0	71.4	.4	.0
Unemployment	5.5	7.2	4.7	-1.7	.8
Unemployment Rate	7.1	9.2	6.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	72.6	72.3	71.0	.3	1.6
Goods-Producing Industries	26.0	26.2	25.4	-.2	.6
Construction and Mining	2.9	2.8	2.8	.1	.1
Manufacturing	23.1	23.4	22.6	-.3	.5
Durable Goods	17.0	17.2	16.8	-.2	.2
Fabricated Metal Products	2.7	2.7	2.4	.0	.3
Industrial Machinery and Equipment	4.2	4.2	3.9	.0	.4
Transportation Equipment	7.2	7.4	7.6	-.2	-.4
Motor Vehicles and Equipment	3.4	3.6	3.8	-.2	-.4
Nondurable Goods	6.1	6.2	5.8	.0	.3
Food and Kindred Products	1.7	1.7	1.7	.0	.0
Rubber and Miscellaneous Plastics Products	2.1	2.1	1.9	.0	.2
Service-Producing Industries	46.6	46.1	45.6	.5	1.0
Transportation and Public Utilities	3.1	3.1	2.9	.0	.2
Wholesale Trade	3.4	3.4	3.4	.0	.0
Retail Trade	14.1	13.9	13.5	.2	.6
General Merchandise Stores	2.1	2.1	2.0	.0	.2
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	14.5	14.3	14.4	.2	.1
Health Services	6.5	6.5	6.2	.0	.3
Hospitals	3.1	3.1	3.1	.0	.0
Government	9.5	9.4	9.4	.1	.1
Local Government	7.1	7.1	7.0	.0	.1
Local Government Education	4.3	4.3	4.1	.0	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$557.88	$559.26	$552.10	42.2	42.4	42.6	$13.22	$13.19	$12.96
Durable Goods	549.25	548.98	552.97	41.8	42.1	42.7	13.14	13.04	12.95
Fabricated Metal Products	368.21	369.41	357.78	41.7	41.6	40.2	8.83	8.88	8.90
Industrial Machinery and Equipment	441.83	461.62	478.41	39.1	40.6	42.3	11.30	11.37	11.31
Transportation Equipment	712.29	694.77	662.00	43.3	43.1	42.6	16.45	16.12	15.54
Motor Vehicles and Equipment	825.74	780.23	750.60	45.9	45.1	45.0	17.99	17.30	16.68
Nondurable Goods	581.90	587.95	552.95	43.2	43.2	42.6	13.47	13.61	12.98
Food and Kindred Products	417.85	398.82	361.90	42.9	41.5	40.8	9.74	9.61	8.87
Rubber and Miscellaneous Plastics Products	618.57	618.62	601.71	46.3	46.2	46.5	13.36	13.39	12.94
Wholesale Trade	369.60	371.91	368.60	38.5	38.5	38.8	9.60	9.66	9.50
Retail Trade[j]	187.47	186.58	165.29	29.9	29.9	28.4	6.27	6.24	5.82
General Merchandise Stores	166.86	164.38	162.86	27.0	26.3	26.1	6.18	6.25	6.24

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	116.5	115.5	118.9	1.0	-2.4
Employment	107.8	101.4	110.3	6.2	-2.7
Unemployment	8.9	14.1	8.6	-5.2	.3
Unemployment Rate	7.7	12.2	7.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	91.8	91.0	91.8	.8	-.1
Goods–Producing Industries	31.8	31.5	32.5	.3	-.7
Construction and Mining	3.6	3.4	3.3	.2	.3
Manufacturing	28.2	28.1	29.2	.1	-1.0
Durable Goods	23.6	23.6	24.6	.0	-1.0
Primary Metal Industries	4.3	4.2	4.5	.1	-.3
Fabricated Metal Products	4.2	4.4	4.2	-.2	.1
Tansportation Equipment	7.9	7.7	8.5	.2	-.6
Nondurable Goods	4.6	4.5	4.6	.1	.0
Service–Producing Industries	59.9	59.5	59.3	.5	.6
Transportation and Public Utilities	3.5	3.5	3.2	.0	.3
Wholesale Trade	2.4	2.3	2.5	.0	-.1
Retail Trade	16.5	16.4	16.2	.1	.3
Finance, Insurance, and Real Estate	3.2	3.2	3.1	.0	.2
Services	20.7	20.5	20.5	.2	.2
Health Services	8.5	8.5	8.3	.0	.2
Hospitals	4.1	4.1	4.0	.0	.1
Government	13.7	13.6	13.9	.1	-.2
Local Government	11.6	11.5	12.0	.0	-.4
Local Government Education	7.9	7.9	7.8	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$575.72	$564.40	$620.55	42.9	42.5	45.0	$13.42	$13.28	$13.79
Durable Goods	606.30	589.78	657.29	43.4	42.8	45.9	13.97	13.78	14.32
Primary Metal Industries	620.84	621.28	628.97	44.0	44.0	43.8	14.11	14.12	14.36
Fabricated Metal Products	425.14	425.72	436.59	42.9	42.7	44.1	9.91	9.97	9.90
Transportation Equipment	757.09	729.93	825.67	44.3	43.5	48.2	17.09	16.78	17.13
Nondurable Goods	400.00	415.93	400.20	40.0	41.1	39.9	10.00	10.12	10.03
Wholesale Trade	368.05	367.30	361.90	38.1	38.3	38.5	9.66	9.59	9.40
Retail Trade[i]	159.12	156.37	163.67	25.5	25.1	26.7	6.24	6.23	6.13

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	64.4	66.4	65.2	-2.0	-.8
Employment	59.6	60.2	61.1	-.7	-1.5
Unemployment	4.9	6.2	4.2	-1.3	.7
Unemployment Rate	7.5	9.3	6.4		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	59.6	59.1	59.7	.5	-.1
Goods-Producing Industries	20.7	20.6	21.0	.0	-.3
Construction and Mining	1.9	1.8	1.9	.1	.0
Manufacturing	18.8	18.8	19.1	-.1	-.3
Durable Goods	16.7	16.8	17.1	-.1	-.4
Fabricated Metal Products	5.5	5.6	5.8	-.1	-.3
Electronic and Other Electric Equipment	3.4	3.4	3.2	.0	.2
Nondurable Goods	2.1	2.1	2.0	.0	.1
Service-Producing Industries	38.9	38.5	38.7	.4	.2
Transportation and Public Utilities	2.9	2.9	2.9	.0	.0
Wholesale Trade	2.2	2.2	2.2	.0	.0
Retail Trade	11.7	11.5	11.0	.2	.7
Finance, Insurance, and Real Estate	2.4	2.4	2.5	.0	-.1
Services	12.4	12.2	12.7	.2	-.3
Health Services	4.3	4.3	4.3	.0	.1
Government	7.4	7.4	7.4	.0	.0
Local Government	5.6	5.6	5.7	.0	-.1
Local Government Education	3.9	3.9	4.0	.0	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$526.50	$520.99	$569.40	40.5	40.2	43.3	$13.00	$12.96	$13.15
Durable Goods	541.35	534.36	594.58	40.1	39.7	43.4	13.50	13.46	13.70
Fabricated Metal Products	645.23	631.66	795.64	39.2	38.8	45.7	16.48	16.28	17.41
Electronic and Other Electric Equipment	422.37	430.40	466.32	39.4	40.0	42.9	10.72	10.76	10.87
Nondurable Goods	390.27	399.15	345.53	43.9	45.0	42.5	8.89	8.87	8.13
Wholesale Trade	344.06	338.80	335.76	40.1	40.0	40.6	8.58	8.47	8.27
Retail Trade[i]	164.23	161.73	153.65	27.1	26.6	26.4	6.06	6.08	5.82

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included.
[j]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	56.2	55.8	55.4	.4	.8
Employment	52.4	52.0	51.7	.3	.7
Unemployment	3.8	3.8	3.7	.1	.1
Unemployment Rate	6.8	6.8	6.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	52.7	52.0	50.9	.7	1.8
Goods–Producing Industries	20.2	19.8	19.8	.4	.5
Mining	1.0	.9	.9	.0	.0
Construction	1.6	1.3	1.1	.3	.5
Manufacturing	17.7	17.6	17.7	.1	.0
Durable Goods	16.1	16.1	16.1	.0	.0
Primary Metal Industries	12.7	12.7	12.7	.0	.0
Nondurable Goods	1.6	1.5	1.6	.1	.0
Service–Producing Industries	32.5	32.2	31.1	.3	1.4
Transportation and Public Utilities	3.3	3.3	3.2	.0	.1
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.3	9.2	8.7	.0	.5
General Merchandise Stores	1.7	1.7	1.5	.0	.1
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.5	10.4	10.0	.2	.5
Health Services	4.5	4.5	4.4	.0	.0
Hospitals	2.4	2.4	2.4	.0	.0
Government	6.4	6.3	6.2	.1	.2
Local Government	5.5	5.5	5.3	.1	.2
Local Government Education	3.6	3.5	3.4	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$498.20	$495.10	$476.74	42.4	42.1	41.6	$11.75	$11.76	$11.46
Durable Goods	521.86	520.22	502.68	43.2	43.1	42.6	12.08	12.07	11.80
Primary Metal Industries	554.40	554.40	519.72	44.0	44.0	42.6	12.60	12.60	12.20
Nondurable Goods	191.79	177.59	169.04	31.7	29.5	29.5	6.05	6.02	5.73
Wholesale Trade	350.14	354.48	319.96	40.2	40.1	38.0	8.71	8.84	8.42
Retail Trade[f]	159.30	159.46	162.66	27.0	26.8	27.9	5.90	5.95	5.83

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay period which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	March 1990	February 1990	March 1989
New Applicants	37,227	32,318	43,939
Active File of Job Seekers	206,250	198,574	278,527
Counseling Interviews	835	809	1,162
Tests Administered	2,412	1,557	1,651
General Aptitude Tests	1,431	208	221
Proficiency Tests	2,548	234	366
Specific Aptitude Tests	1,749	319	167
Referrals to Jobs	24,373	17,247	29,147
Placements	3,167	2,326	5,762
Job Openings Received	9,334	6,849	12,510
Job Openings Unfilled	17,022	15,272	19,989

Selected Unemployment Insurance Activities

	Ohio		
	March 1990	February 1990	March 1989
Initial Claims	45,905	73,917	45,146
Continued Claims	500,886	560,333	519,538
First Payments	27,539	37,718	25,291
Last Payments	6,280	4,998	5,761
Average Weekly Claimants	118,711	139,243	111,712
Average Weekly Benefit Recipients	111,046	122,943	103,011
Weeks Compensated	495,686	500,176	484,644
Benefits Paid	$81,934,927	$84,308,058	$76,359,474
Average Weekly Payment	$172.46	$175.31	$161.94
Continued Claims for Survey Week	114,389	131,758	104,503
Insured Unemployment Rate	2.6	3.1	2.5
Net Contributions	$3,336,473	$54,816,776	$3,545,071
Active Employer Accounts	206,470	206,606	203,244

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